

Data File : VR025296.D
Acq On : 15 Jun 2018 12:52
Operator : SY/MD
Sample : VSTD0.583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

Quant Time: Jun 15 14:31:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 15 14:32:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	777180	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	616527	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	222091	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	13140	0.41	ug/L	0.00
7) Chloroethane-d5	2.64	69	10031	0.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	34565	0.43	ug/L	0.00
20) 2-Butanone-d5	6.60	46	33484	5.07	ug/L	0.00
24) Chloroform-d	7.19	84	49752	0.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	18407	0.50	ug/L	0.00
32) Benzene-d6	7.86	84	104559	0.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	29099	0.51	ug/L	0.00
41) Toluene-d8	9.97	98	88687	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	6519	0.46	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	22803	4.63	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	10452	0.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	18884	0.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	24219	0.452 ug/L	91
3) Chloromethane	2.02	50	20433	0.436 ug/L	98
5) Vinyl chloride	2.16	62	17585	0.419 ug/L	98
6) Bromomethane	2.53	94	7464	0.349 ug/L	79
8) Chloroethane	2.67	64	9439	0.418 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	14470	0.428 ug/L	98
12) 1,1-Dichloroethene	3.64	96	15392	0.449 ug/L #	60
13) Acetone	3.70	43	16718	4.117 ug/L	97
15) Methyl Acetate	4.19	43	4985	0.499 ug/L #	90
16) Methylene chloride	4.41	84	11784	0.352 ug/L #	87
17) Methyl tert-butyl Ether	4.90	73	40615	0.525 ug/L #	83
18) trans-1,2-Dichloroethene	4.88	96	28515	0.466 ug/L	92
19) 1,1-Dichloroethane	5.68	63	55065	0.520 ug/L	95
21) 2-Butanone	6.69	43	37577	4.668 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	31308	0.540 ug/L #	95
23) Bromochloromethane	7.05	128	8898	0.518 ug/L	87
25) Chloroform	7.23	83	50025	0.515 ug/L	97
27) 1,2-Dichloroethane	8.00	62	22923	0.506 ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	35752	0.540 ug/L	97
30) Cyclohexane	7.52	56	45153	0.497 ug/L	99
31) Carbon tetrachloride	7.64	117	29982	0.509 ug/L	98
33) Benzene	7.91	78	131512	0.552 ug/L	100
34) Trichloroethene	8.71	95	29756	0.536 ug/L	94
35) Methylcyclohexane	8.95	83	45394	0.497 ug/L	97
37) 1,2-Dichloropropane	9.00	63	27439	0.495 ug/L #	94
38) Bromodichloromethane	9.28	83	23426	0.466 ug/L	89
39) cis-1,3-Dichloropropene	9.72	75	27449	0.463 ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	84124	4.637 ug/L	99
42) Toluene	10.03	91	158379	0.668 ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	17722	0.425 ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.44	97	12925	0.511	ug/L #	83
47) Tetrachloroethene	10.51	164	18606	0.495	ug/L	92
48) 2-Hexanone	10.64	43	50182	4.107	ug/L	97
49) Dibromochloromethane	10.78	129	10415	0.442	ug/L	85
50) 1,2-Dibromoethane	10.89	107	9439	0.470	ug/L #	95
51) Chlorobenzene	11.31	112	78350	0.588	ug/L	94
52) Ethylbenzene	11.39	91	127732	0.502	ug/L	96
53) m,p-Xylene	11.50	106	50396	0.534	ug/L	89
54) o-Xylene	11.83	106	43438	0.510	ug/L	97
55) Styrene	11.84	104	63746	0.460	ug/L	89
56) Isopropylbenzene	12.13	105	112928	0.504	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	11040	0.451	ug/L	87
59) 1,2,3-Trichloropropane	12.44	75	8465	0.528	ug/L	89
61) Bromoform	12.01	173	3166	0.393	ug/L #	92
62) 1,3-Dichlorobenzene	13.16	146	39985	0.553	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	41868	0.539	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	32851	0.532	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	1277	0.534	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.29	180	26292	0.568	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	18482	0.596	ug/L	97
69) Naphthalene	15.00	128	19979	0.499	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.18	180	14242	0.590	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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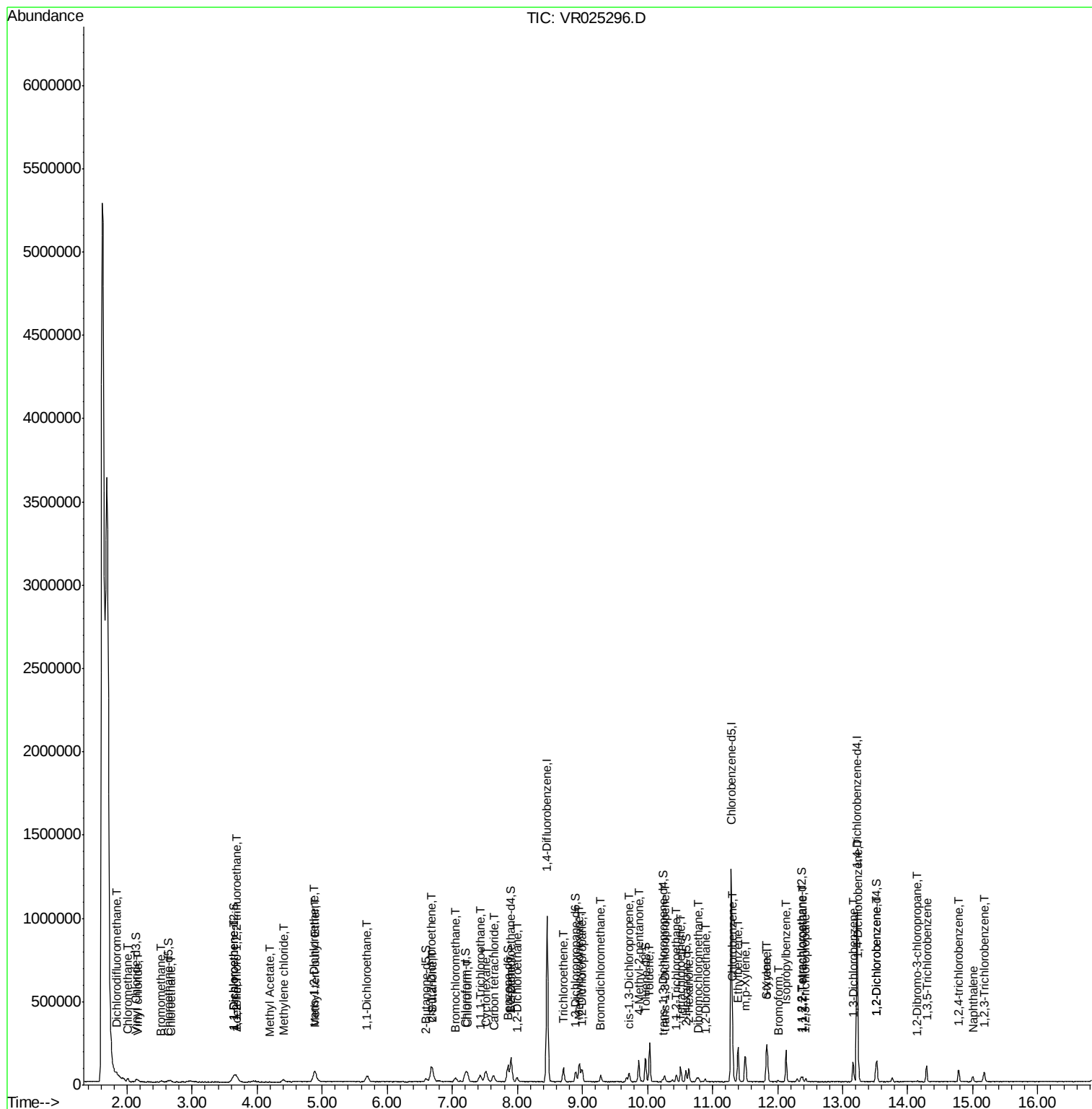
Quant Time: Jun 15 14:31:57 2018

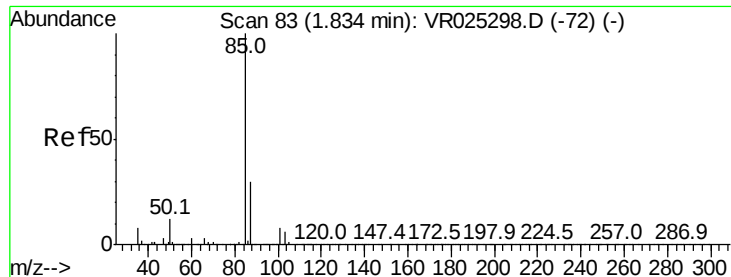
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_R\METHODS\SOMRTR061518WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.452 ug/L

RT: 1.84 min Scan# 84

Delta R.T. 0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

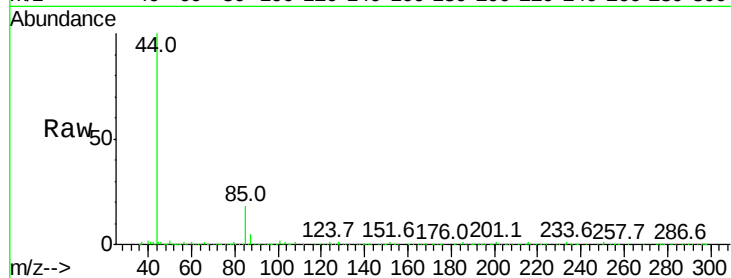
VSTD0.583

Tgt Ion: 85 Resp: 24219

Ion Ratio Lower Upper

85 100

87 26.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.84

8000

6000

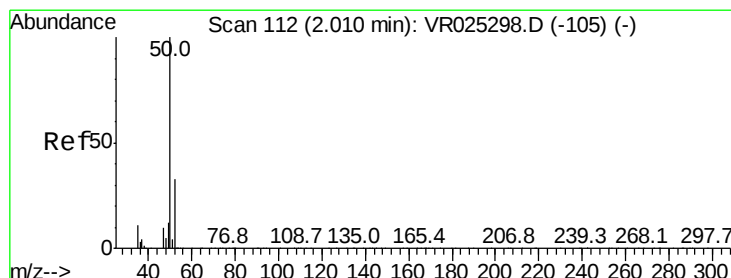
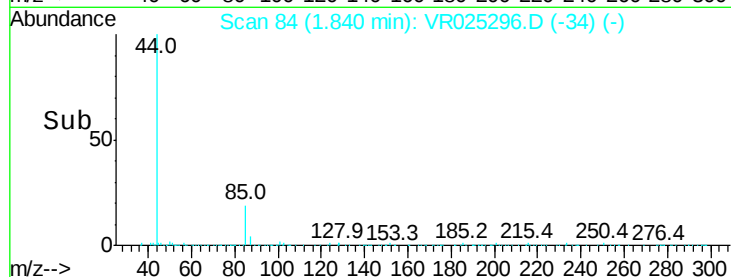
4000

2000

0

Time-->

1.70 1.80 1.90



#3

Chloromethane

Concen: 0.436 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025296.D

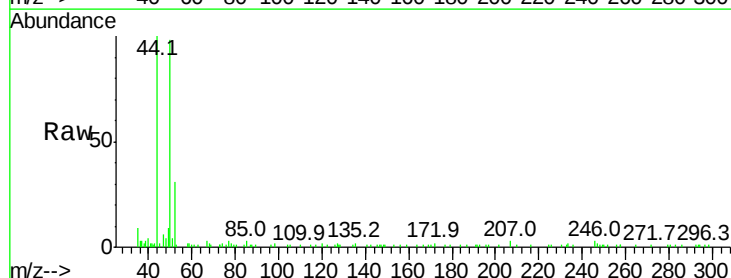
Acq: 15 Jun 2018 12:52

Tgt Ion: 50 Resp: 20433

Ion Ratio Lower Upper

50 100

52 31.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.02

10000

8000

6000

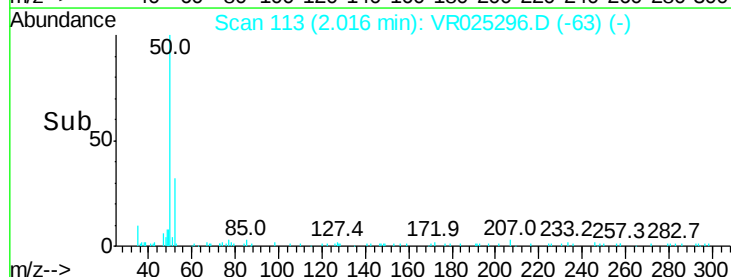
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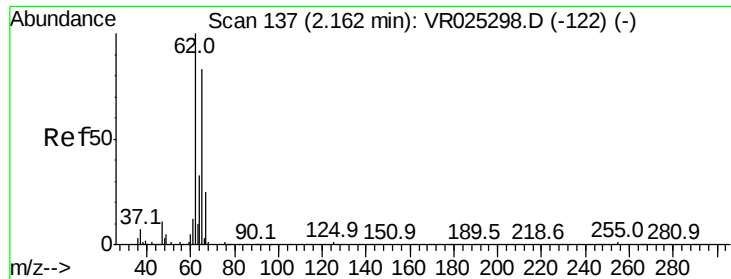
2000

0

Time-->

1.95 2.00 2.05 2.10





#5

Vinyl chloride

Concen: 0.419 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

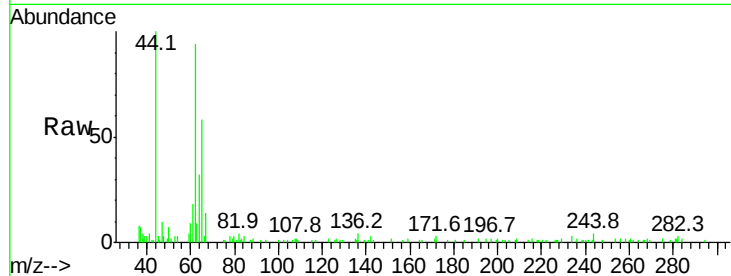
VSTD0.583

Tgt Ion: 62 Resp: 17585

Ion Ratio Lower Upper

62 100

64 33.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.16

6000

5000

4000

3000

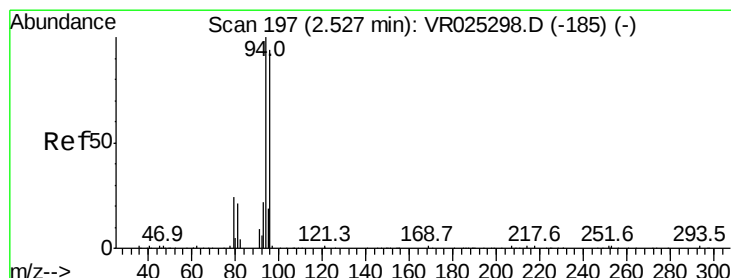
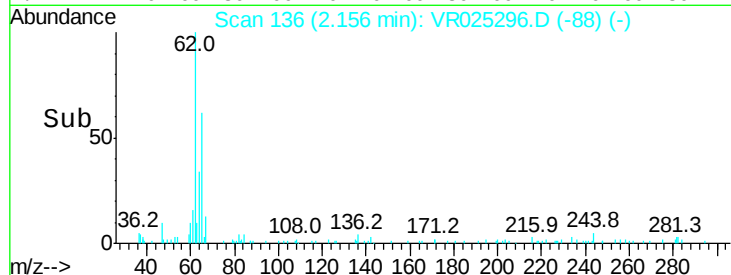
2000

1000

0

Time-->

2.00 2.10 2.20 2.30



#6

Bromomethane

Concen: 0.349 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025296.D

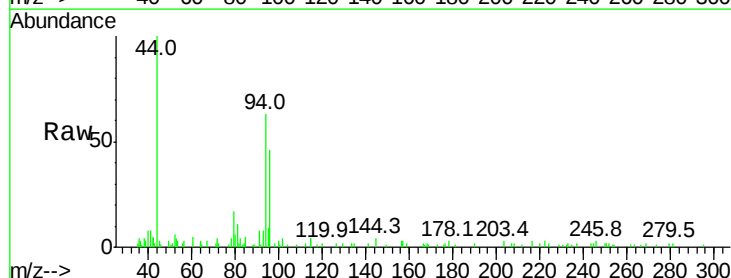
Acq: 15 Jun 2018 12:52

Tgt Ion: 94 Resp: 7464

Ion Ratio Lower Upper

94 100

96 73.4 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.53

3000

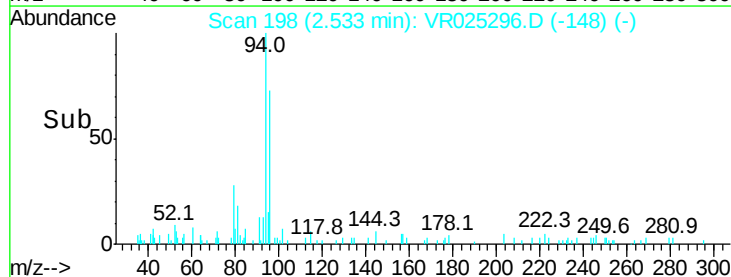
2000

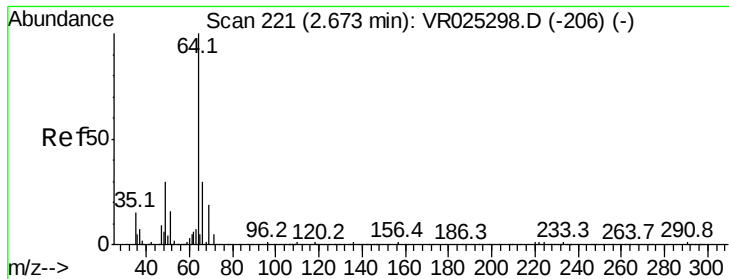
1000

0

Time-->

2.45 2.50 2.55 2.60





#8

Chloroethane

Concen: 0.418 ug/L

RT: 2.67 min Scan# 221

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

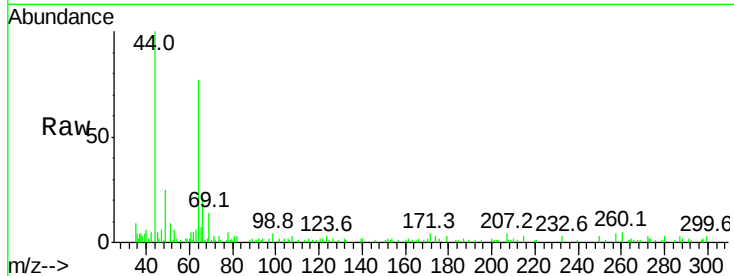
VSTD0.583

Tgt Ion: 64 Resp: 9439

Ion Ratio Lower Upper

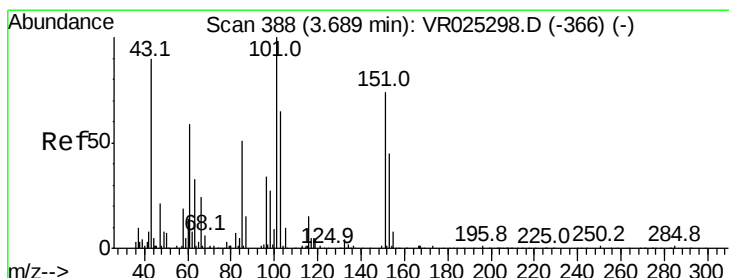
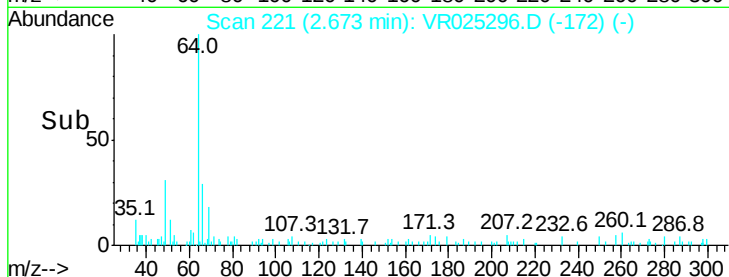
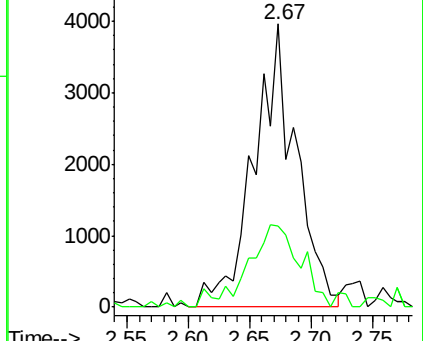
64 100

66 28.8 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.428 ug/L

RT: 3.70 min Scan# 389

Delta R.T. 0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

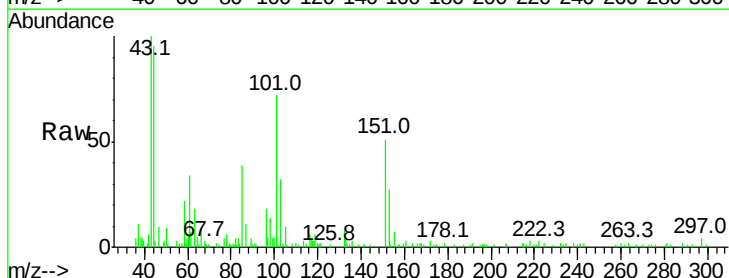
Tgt Ion: 101 Resp: 14470

Ion Ratio Lower Upper

101 100

85 47.9 39.1 58.7

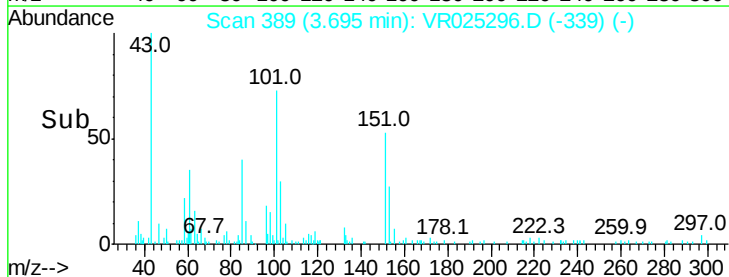
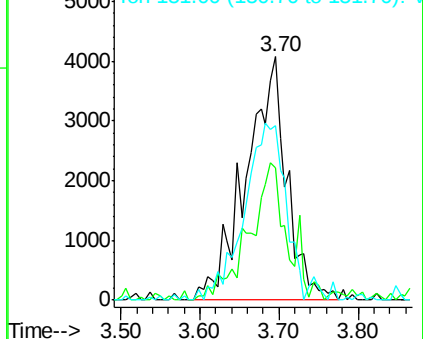
151 74.1 57.5 86.3

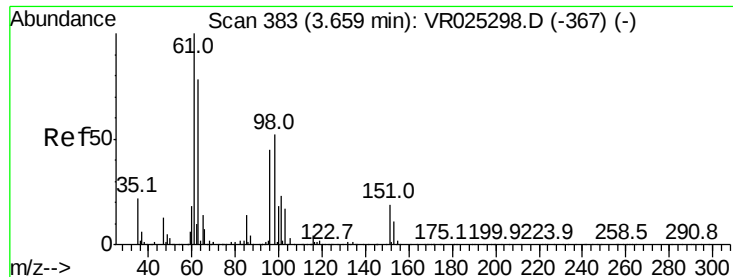


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.449 ug/L

RT: 3.64 min Scan# 380

Delta R.T. -0.02 min

Lab File: VR025296.D

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Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

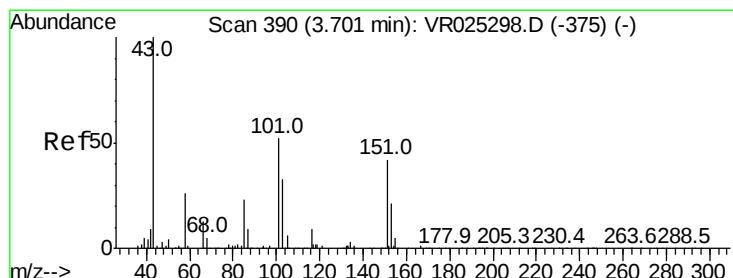
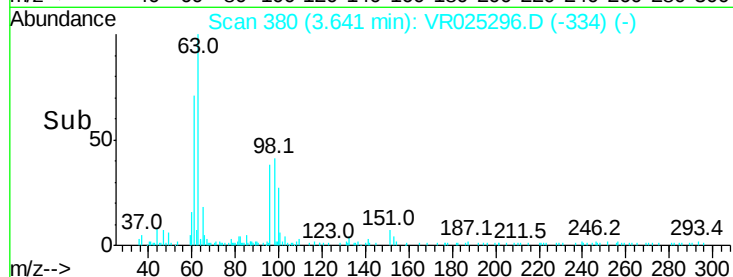
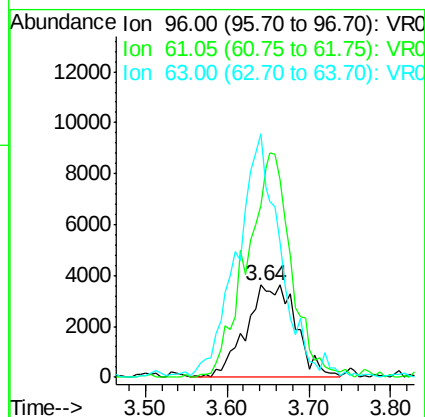
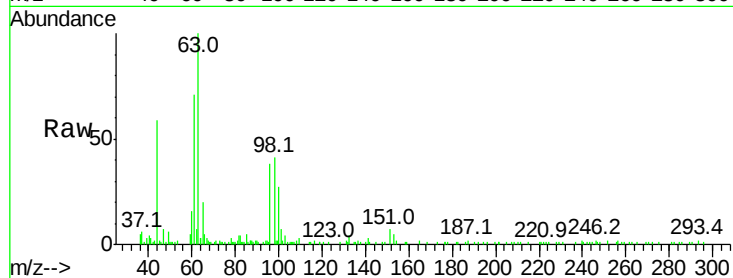
Tgt Ion: 96 Resp: 15392

Ion Ratio Lower Upper

96 100

61 187.0 155.0 287.9

63 264.4 122.3 227.1#



#13

Acetone

Concen: 4.117 ug/L

RT: 3.70 min Scan# 389

Delta R.T. -0.01 min

Lab File: VR025296.D

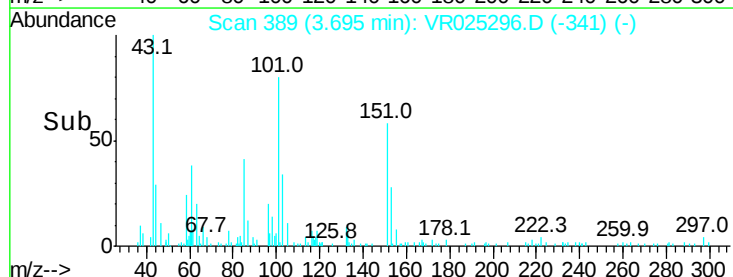
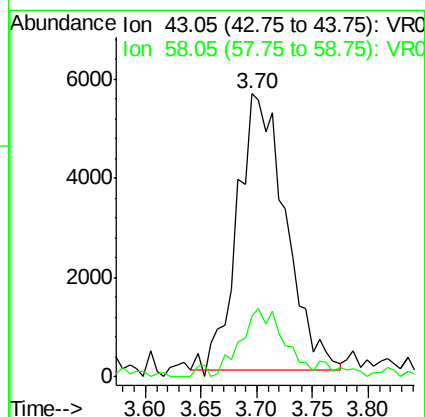
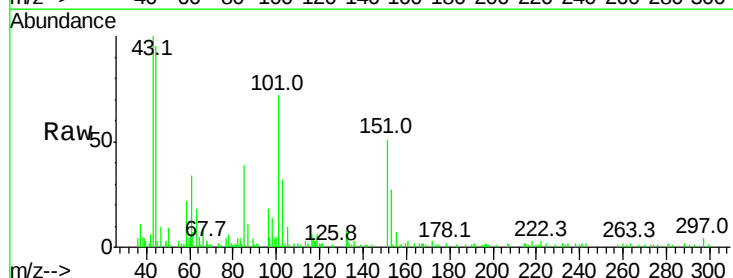
Acq: 15 Jun 2018 12:52

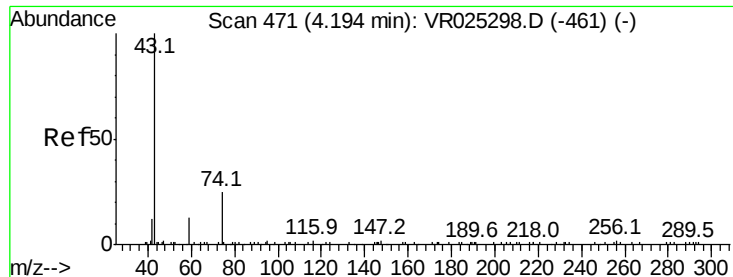
Tgt Ion: 43 Resp: 16718

Ion Ratio Lower Upper

43 100

58 22.2 0.0 41.6

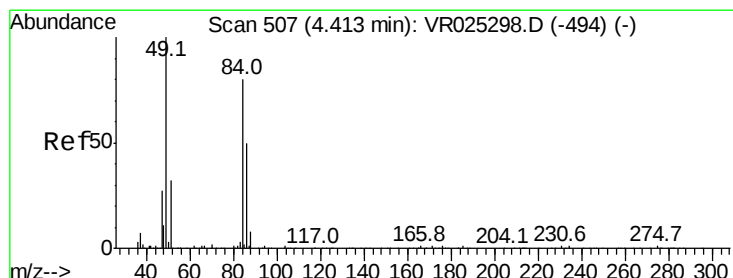
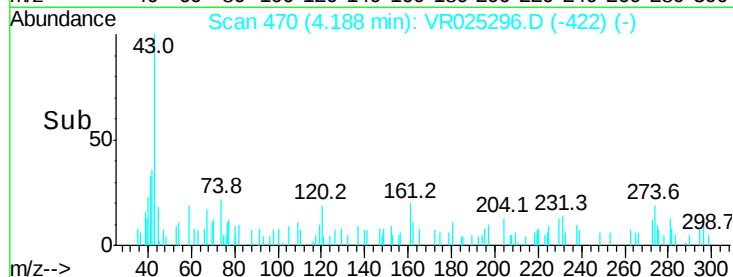
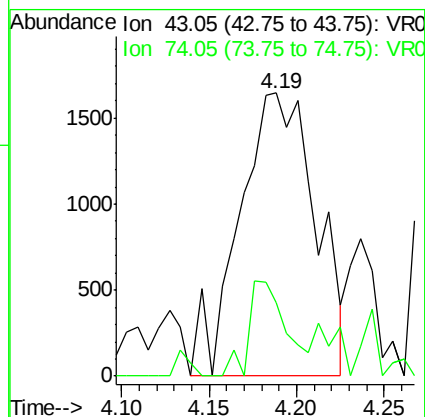
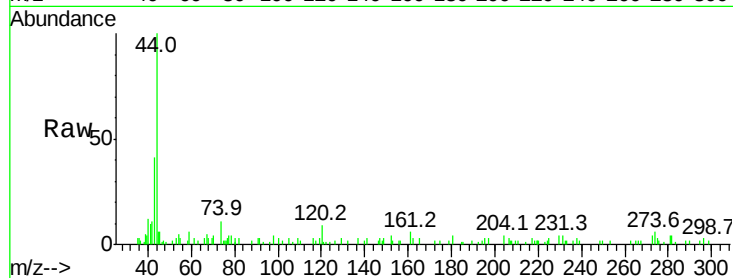




#15
Methyl Acetate
Concen: 0.499 ug/L
RT: 4.19 min Scan# 470
Delta R.T. -0.01 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

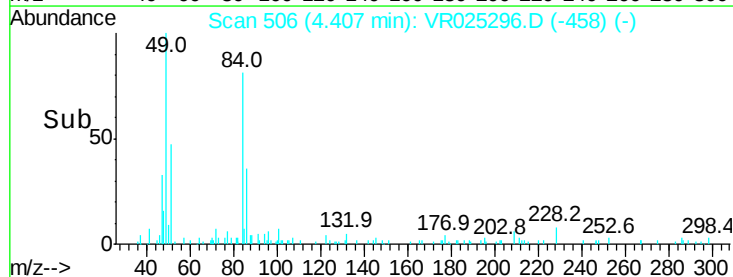
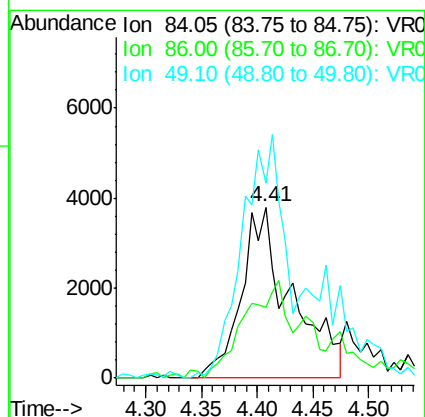
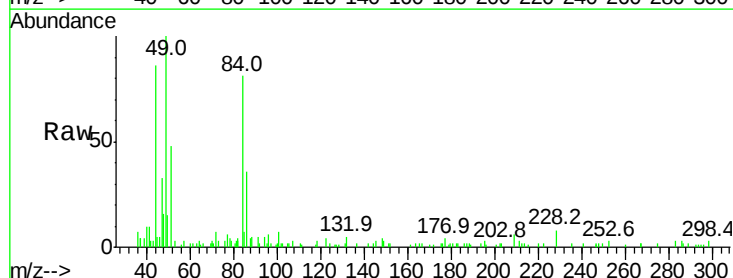
Instrument :
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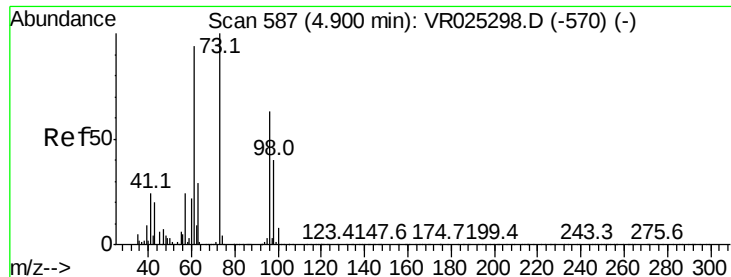
Tgt Ion: 43 Resp: 4985
Ion Ratio Lower Upper
43 100
74 16.4 16.7 25.1#



#16
Methylene chloride
Concen: 0.352 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

Tgt Ion: 84 Resp: 11784
Ion Ratio Lower Upper
84 100
86 41.5 43.7 81.1#
49 131.2 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 0.525 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.00 min

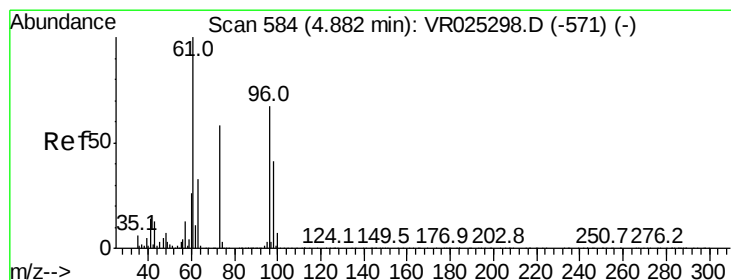
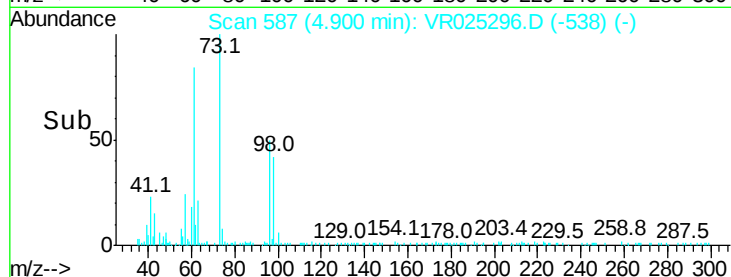
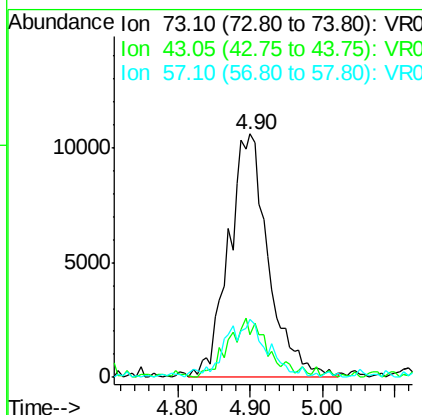
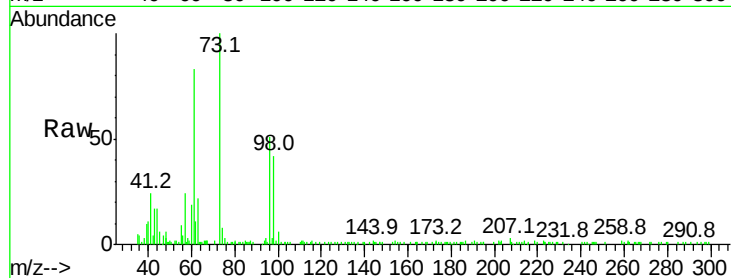
Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :
MSVOA_R
ClientSampled :
VSTD0.583

Tgt Ion: 73 Resp: 40615

Ion	Ratio	Lower	Upper
73	100		
43	23.5	15.8	23.6
57	11.8	19.0	28.4#



#18

trans-1,2-Dichloroethene

Concen: 0.466 ug/L

RT: 4.88 min Scan# 584

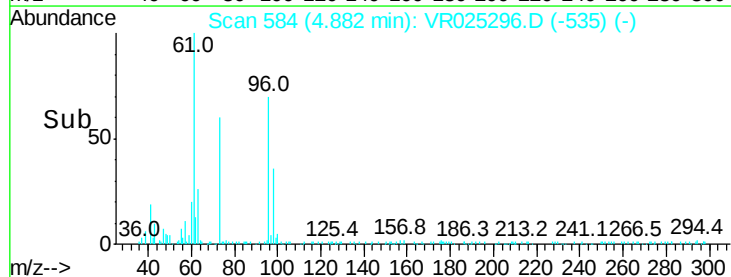
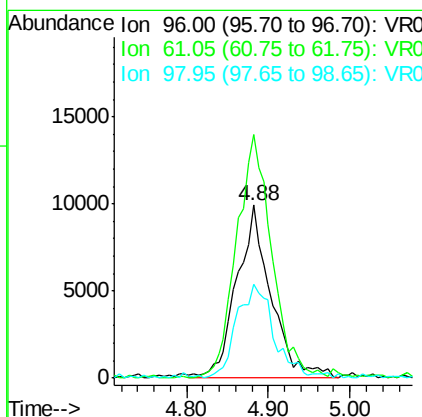
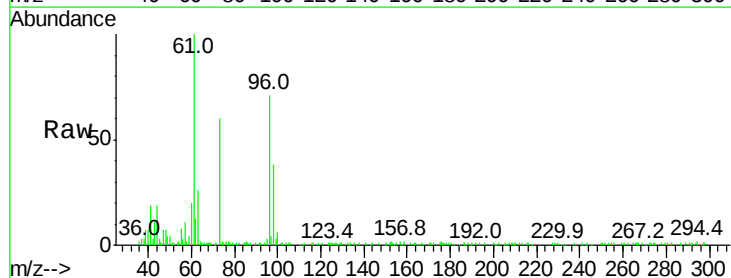
Delta R.T. 0.00 min

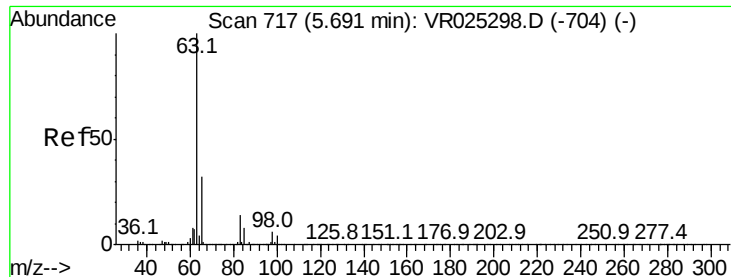
Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Tgt Ion: 96 Resp: 28515

Ion	Ratio	Lower	Upper
96	100		
61	140.8	104.4	193.8
98	54.0	43.1	80.1

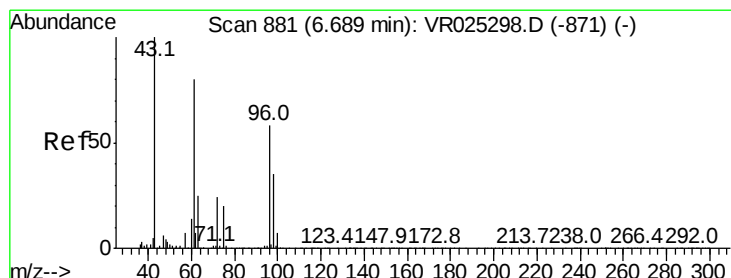
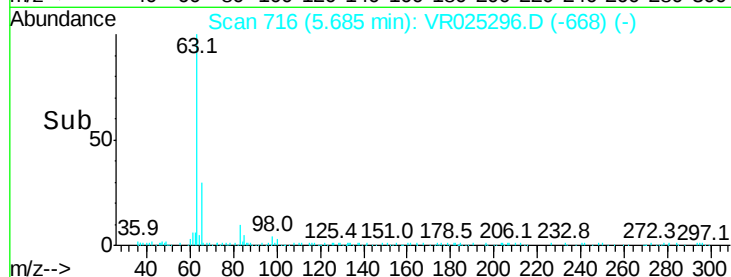
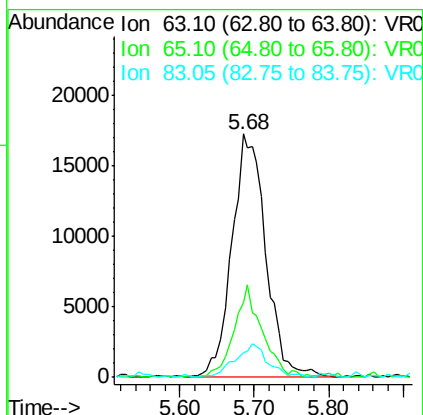
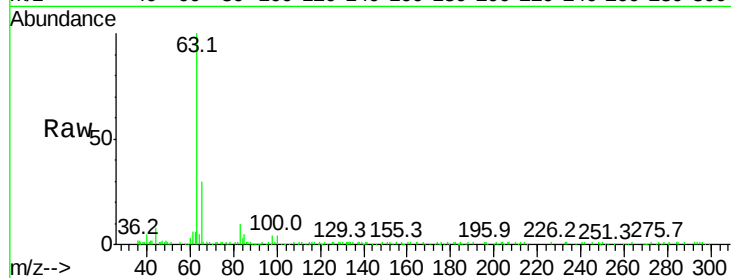




#19
1,1-Dichloroethane
Concen: 0.520 ug/L
RT: 5.68 min Scan# 716
Delta R.T. -0.01 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

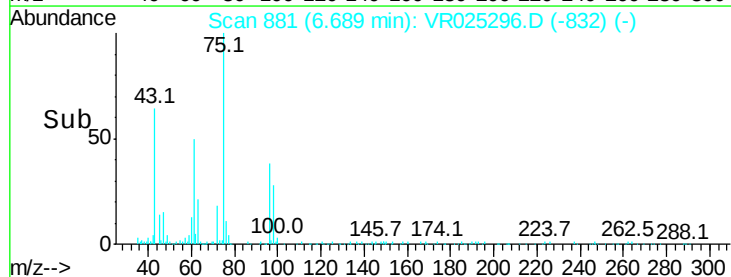
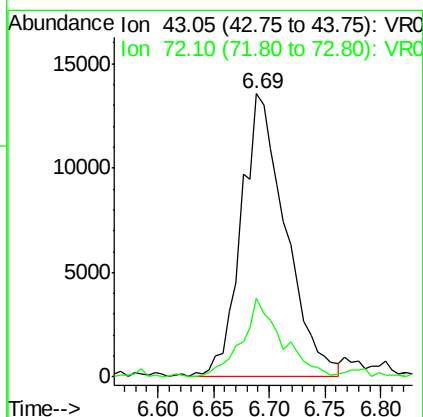
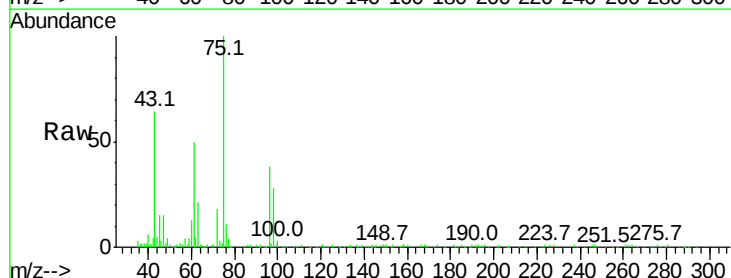
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

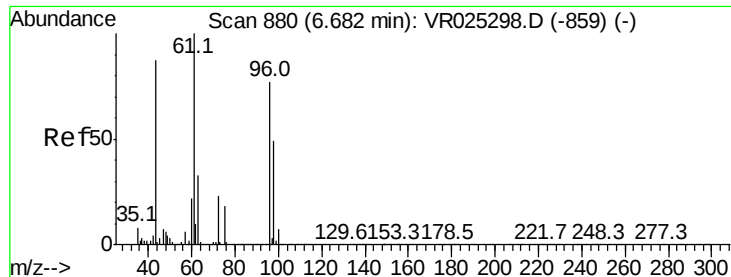
Tgt Ion: 63 Resp: 55065
Ion Ratio Lower Upper
63 100
65 30.5 22.5 41.7
83 10.0 9.5 17.7



#21
2-Butanone
Concen: 4.668 ug/L
RT: 6.69 min Scan# 881
Delta R.T. 0.00 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

Tgt Ion: 43 Resp: 37577
Ion Ratio Lower Upper
43 100
72 25.1 13.0 38.9



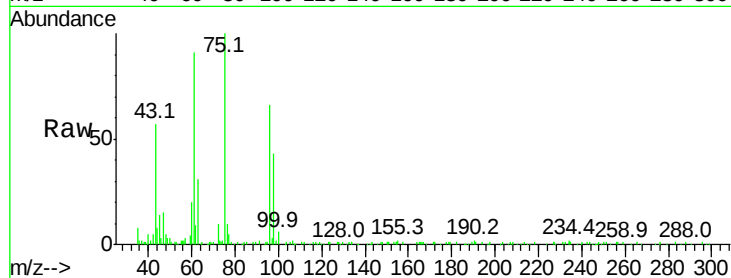


#22

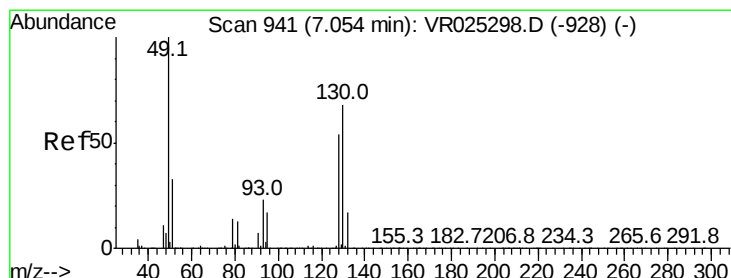
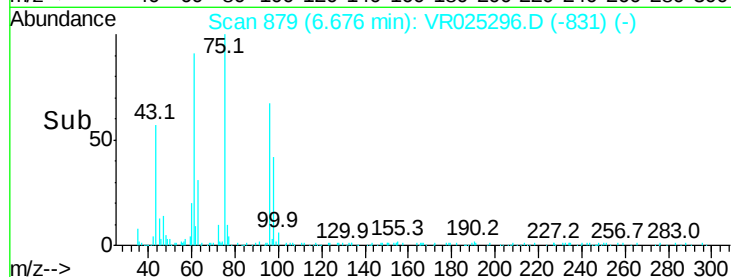
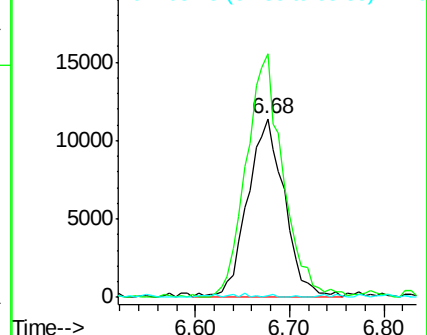
cis-1,2-Dichloroethene
Concen: 0.540 ug/L
RT: 6.68 min Scan# 879
Delta R.T. -0.01 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

Instrument :
MSVOA_R
ClientSampled :
VSTD0.583

Tgt Ion: 96 Resp: 31308
Ion Ratio Lower Upper
96 100
61 136.3 91.0 169.0
68 0.9 0.0 0.0#



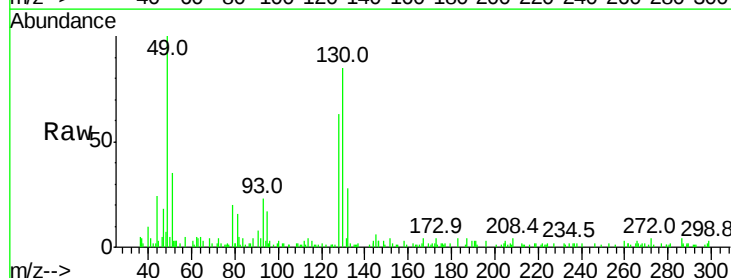
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



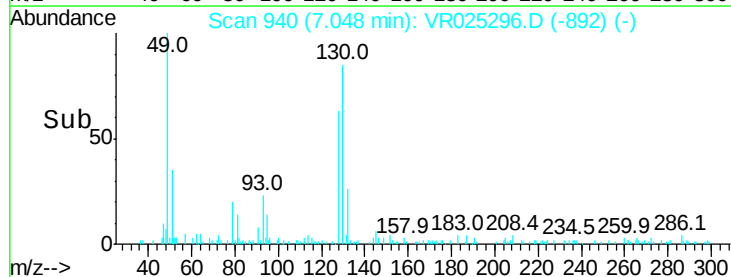
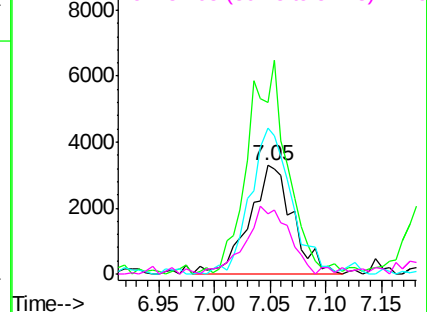
#23

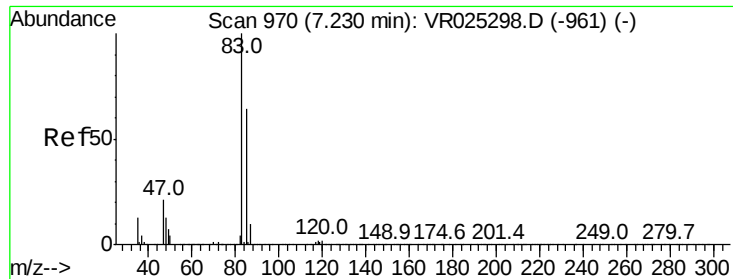
Bromochloromethane
Concen: 0.518 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.01 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

Tgt Ion: 128 Resp: 8898
Ion Ratio Lower Upper
128 100
49 158.9 128.7 238.9
130 135.3 87.2 161.9
51 55.2 48.2 72.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 0.515 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

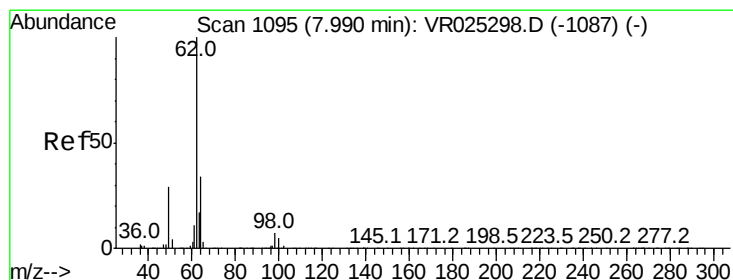
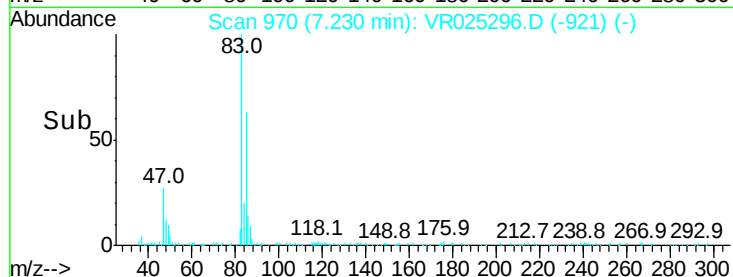
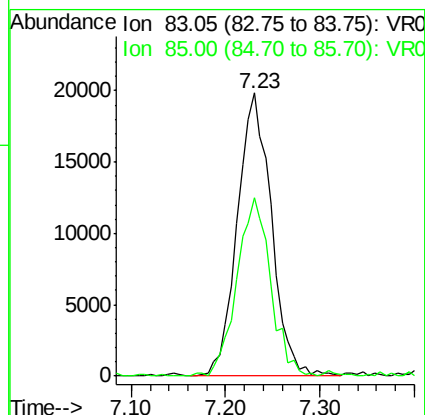
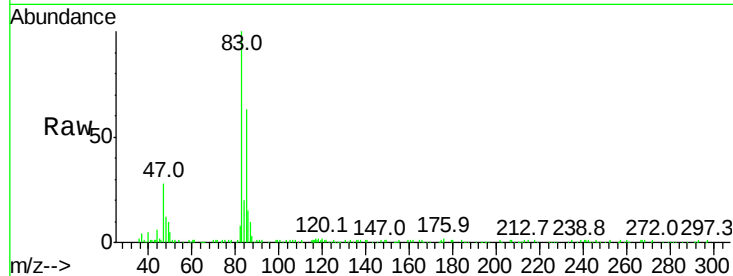
VSTD0.583

Tgt Ion: 83 Resp: 50025

Ion Ratio Lower Upper

83 100

85 62.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.506 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VR025296.D

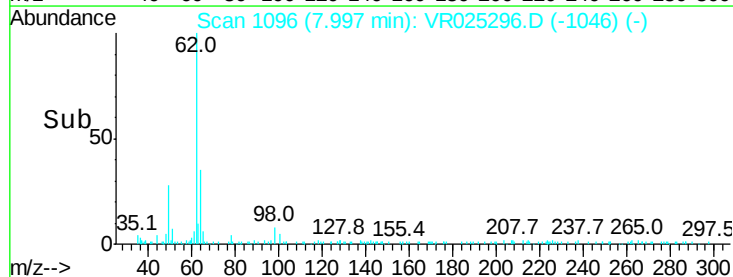
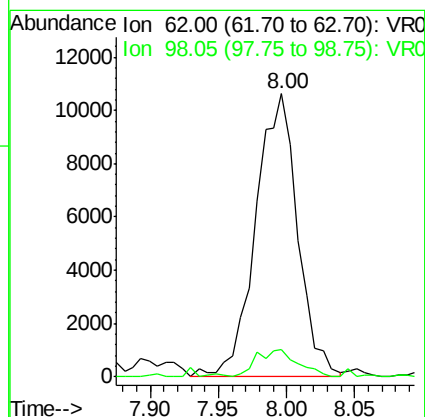
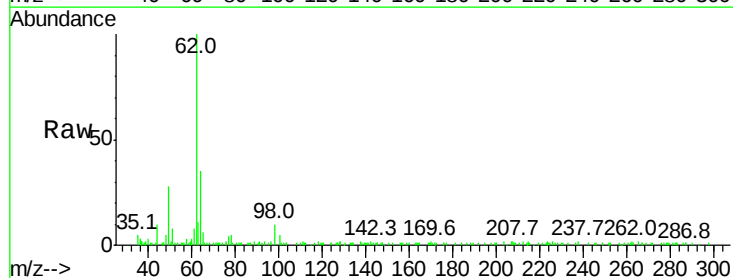
Acq: 15 Jun 2018 12:52

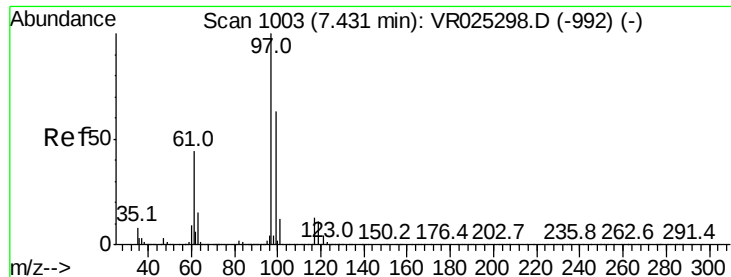
Tgt Ion: 62 Resp: 22923

Ion Ratio Lower Upper

62 100

98 9.5 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 0.540 ug/L

RT: 7.43 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

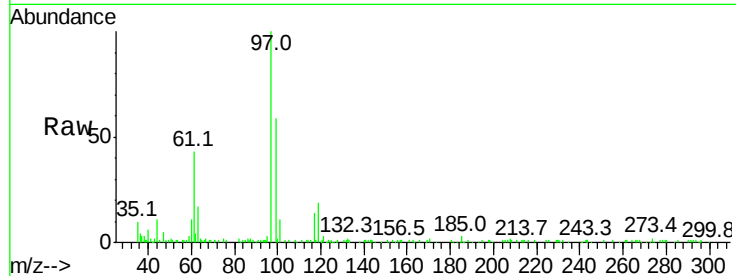
Tgt Ion: 97 Resp: 35752

Ion Ratio Lower Upper

97 100

99 61.5 52.1 78.1

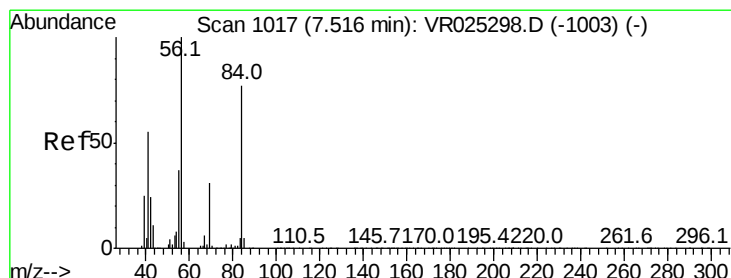
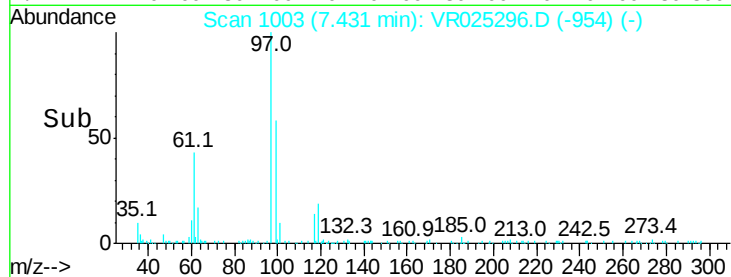
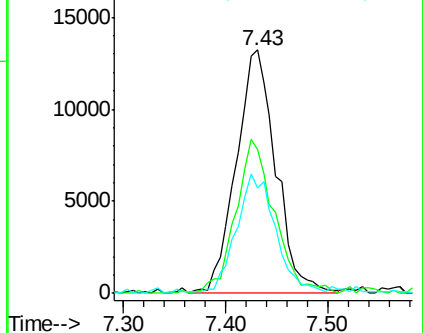
61 47.3 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.497 ug/L

RT: 7.52 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

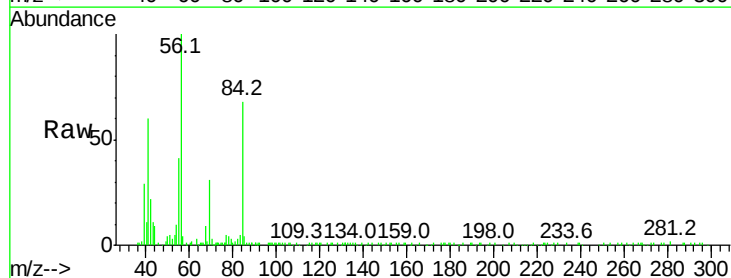
Tgt Ion: 56 Resp: 45153

Ion Ratio Lower Upper

56 100

69 27.8 23.7 35.5

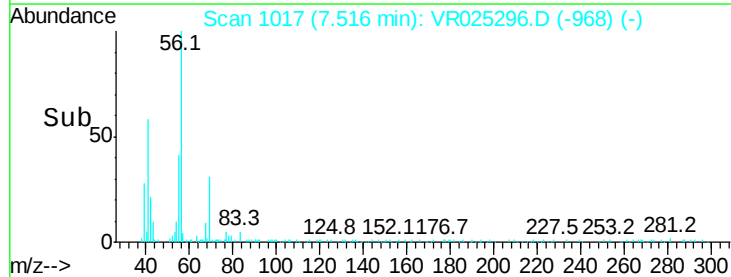
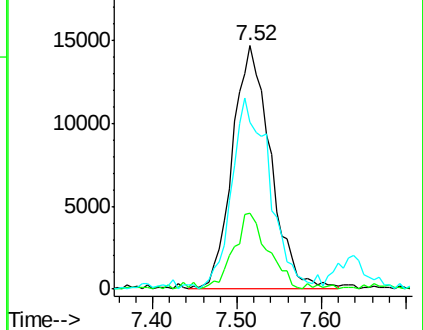
84 77.9 62.6 93.8

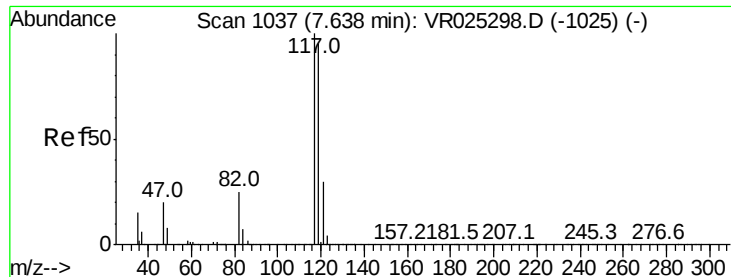


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.509 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampled :

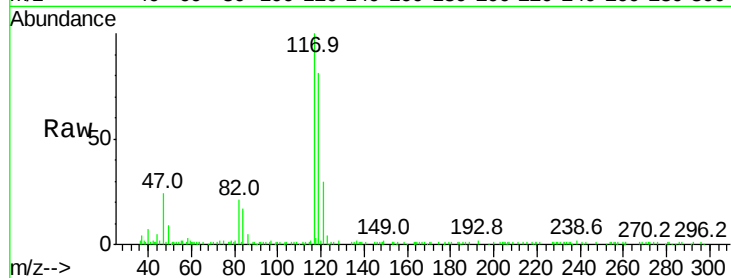
VSTD0.583

Tgt Ion:117 Resp: 29982

Ion Ratio Lower Upper

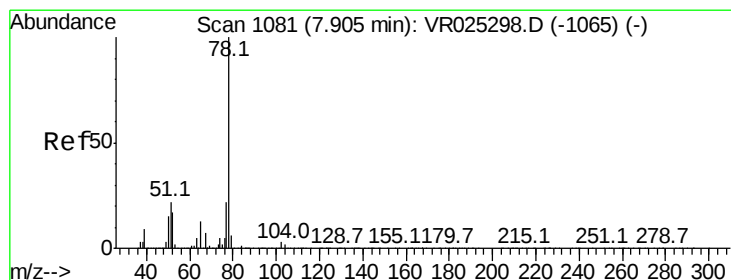
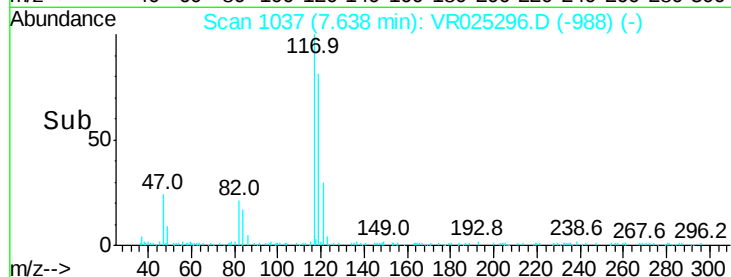
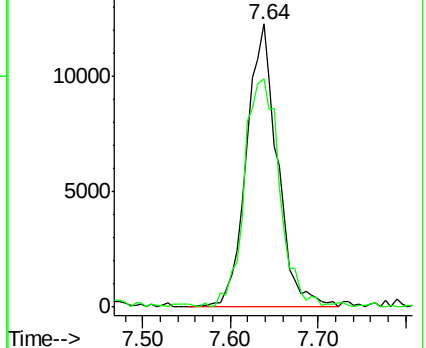
117 100

119 92.1 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.552 ug/L

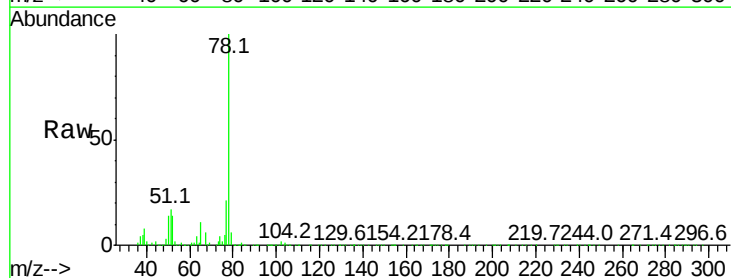
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

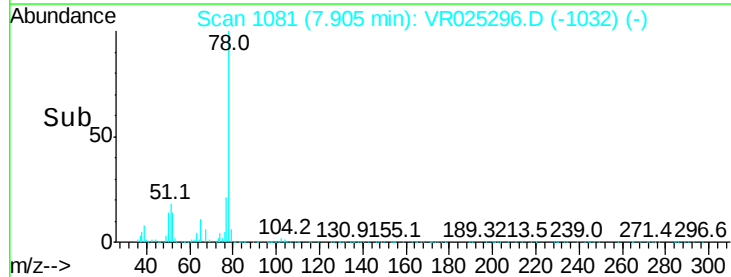
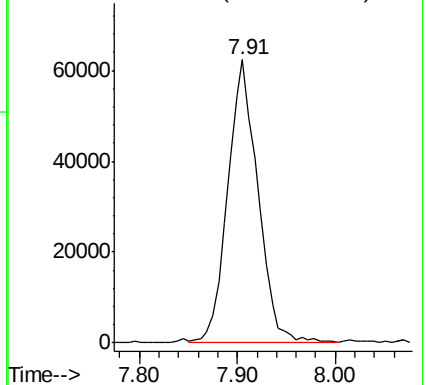
Lab File: VR025296.D

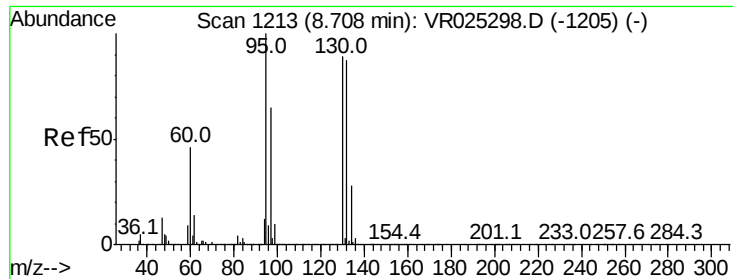
Acq: 15 Jun 2018 12:52

Tgt Ion: 78 Resp: 131512



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.536 ug/L

RT: 8.71 min Scan# 1213

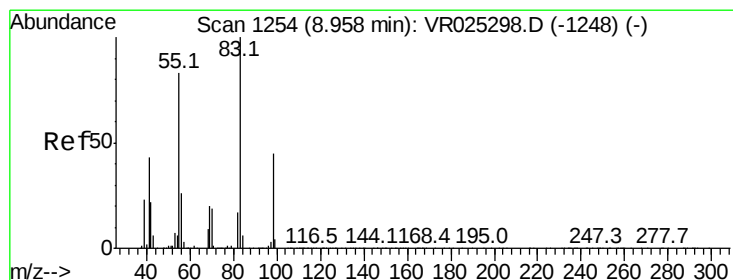
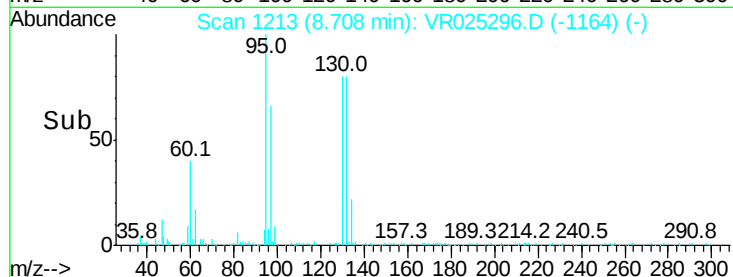
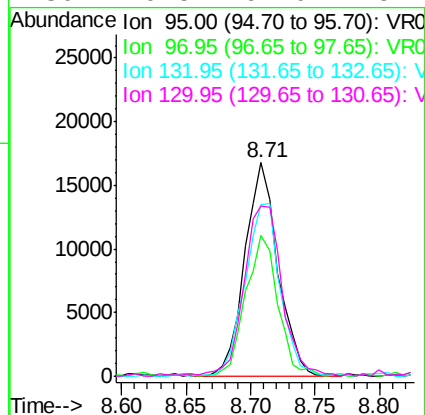
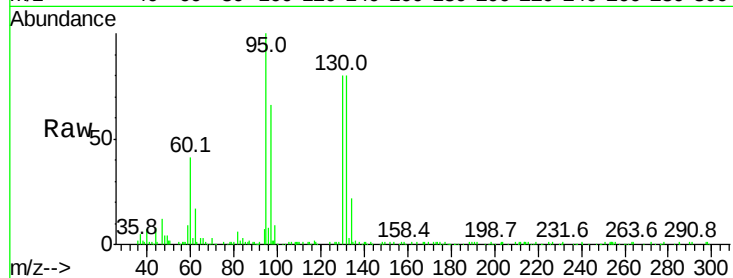
Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

Tgt Ion:	95	Resp:	29756
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.6	84.6
132	80.2	60.9	113.1
130	79.5	62.0	115.2



#35

Methylcyclohexane

Concen: 0.497 ug/L

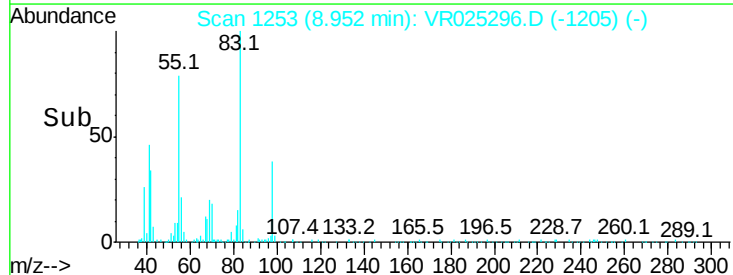
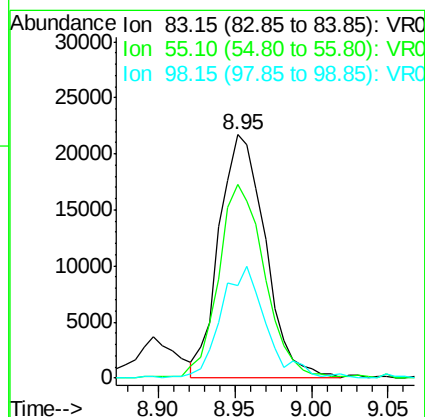
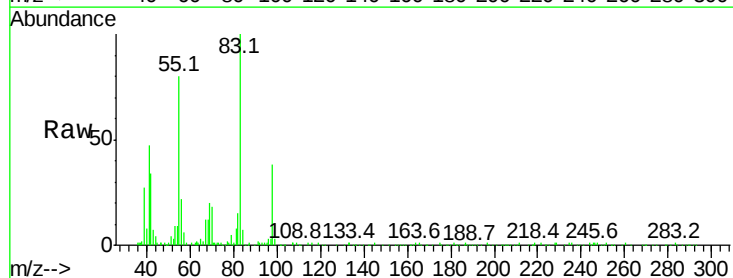
RT: 8.95 min Scan# 1253

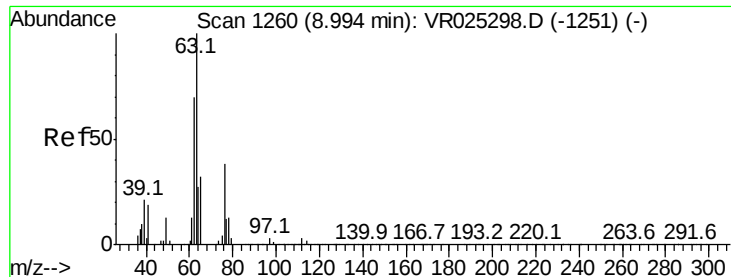
Delta R.T. -0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Tgt Ion:	83	Resp:	45394
Ion	Ratio	Lower	Upper
83	100		
55	80.3	66.1	99.1
98	43.4	36.2	54.4





#37

1,2-Dichloropropane

Concen: 0.495 ug/L

RT: 9.00 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

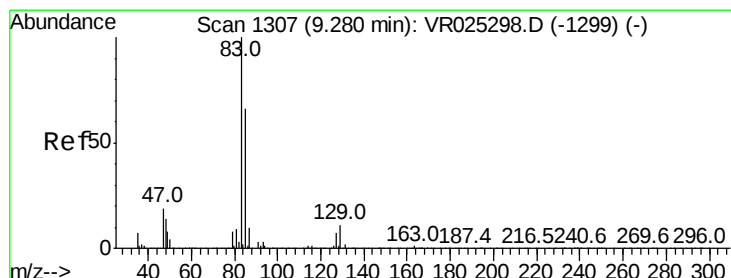
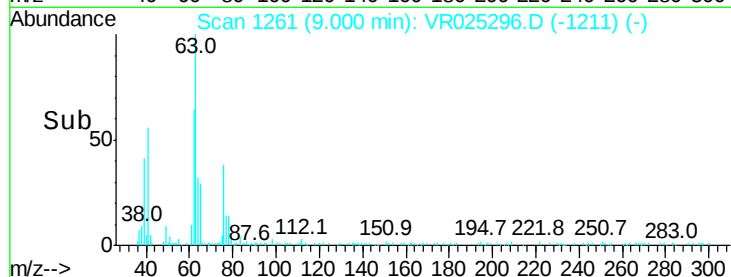
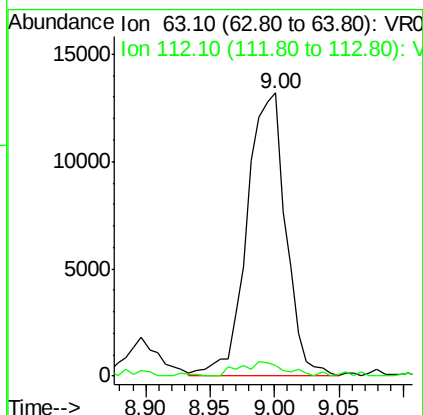
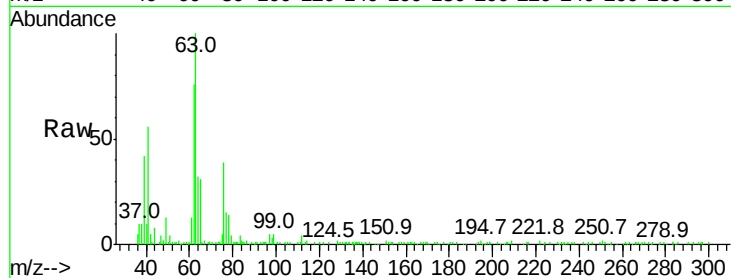
VSTD0.583

Tgt Ion: 63 Resp: 27439

Ion Ratio Lower Upper

63 100

112 5.7 2.9 4.3#



#38

Bromodichloromethane

Concen: 0.466 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

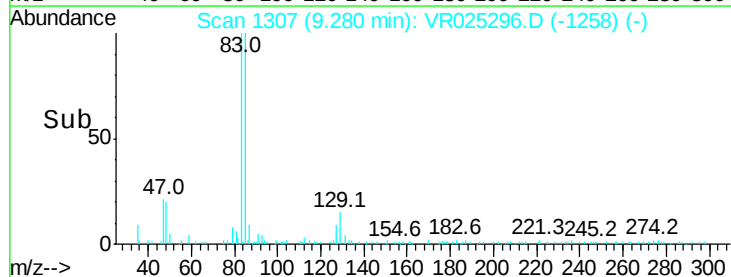
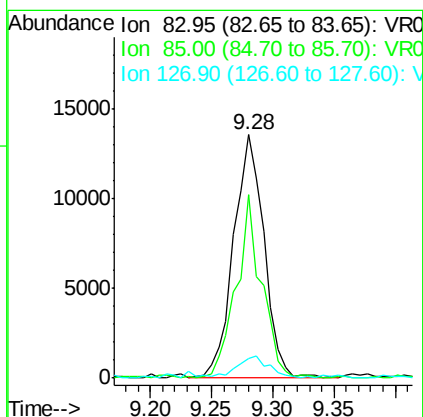
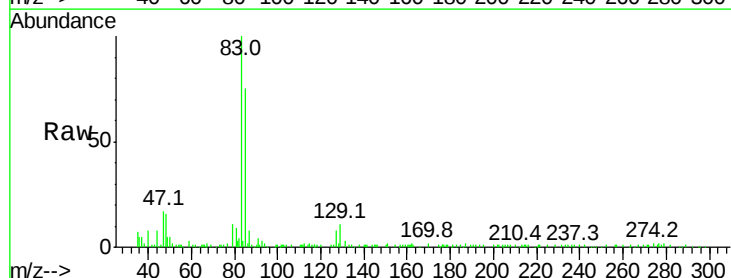
Tgt Ion: 83 Resp: 23426

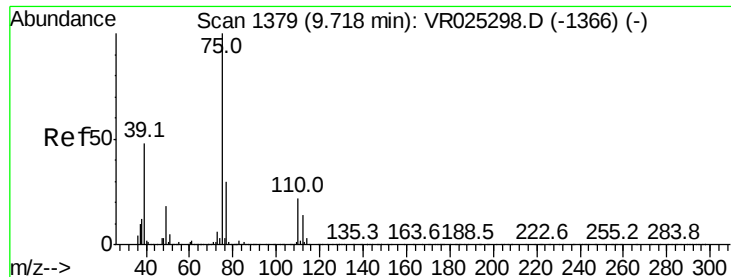
Ion Ratio Lower Upper

83 100

85 75.4 46.1 85.7

127 8.0 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 0.463 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

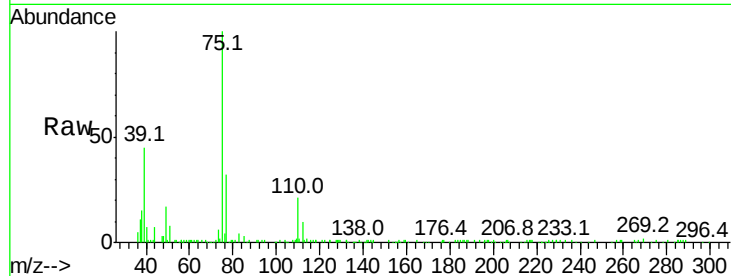
VSTD0.583

Tgt Ion: 75 Resp: 27449

Ion Ratio Lower Upper

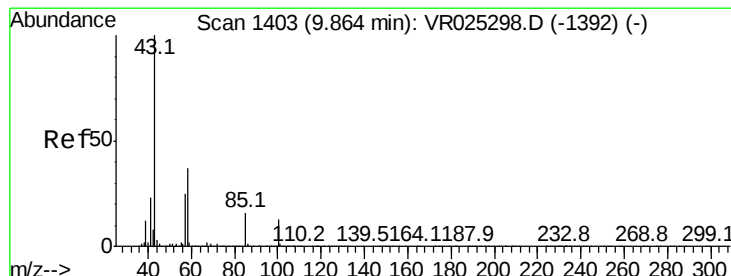
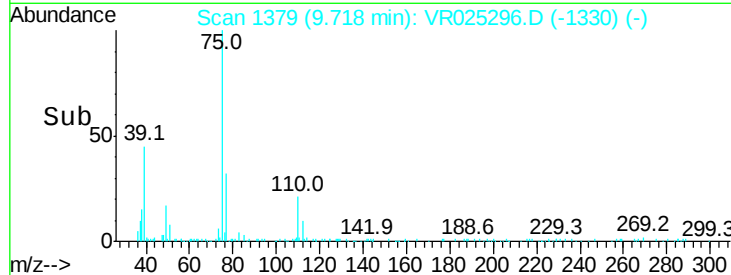
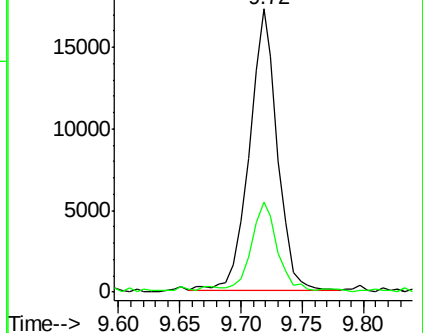
75 100

77 32.0 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 4.637 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

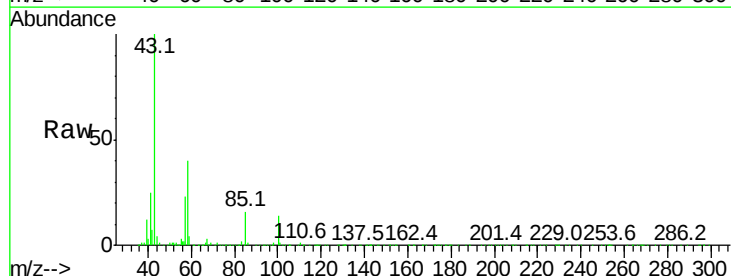
Tgt Ion: 43 Resp: 84124

Ion Ratio Lower Upper

43 100

58 37.1 30.3 45.5

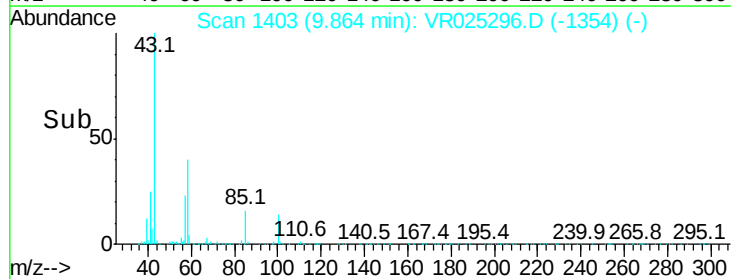
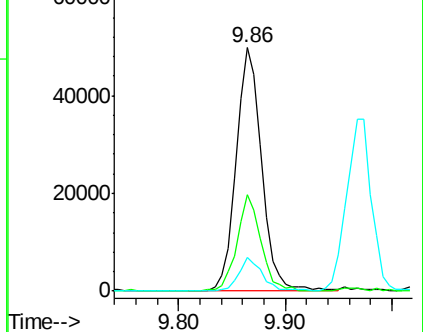
100 12.9 10.3 15.5

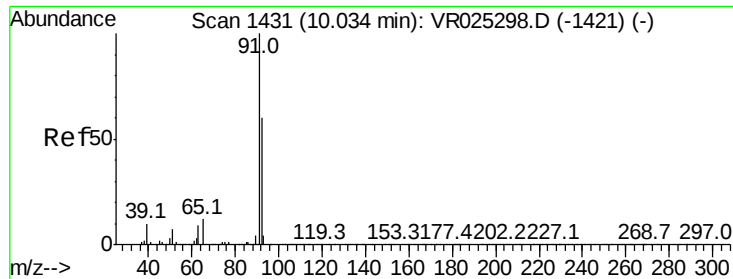


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.668 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampled :

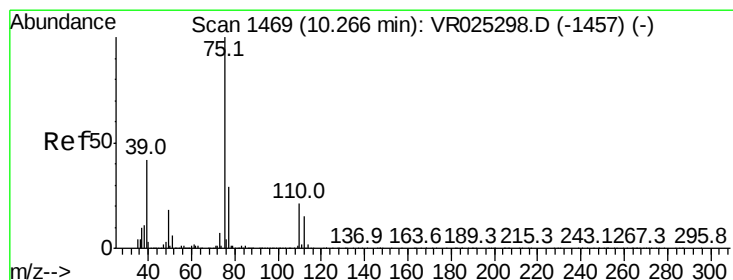
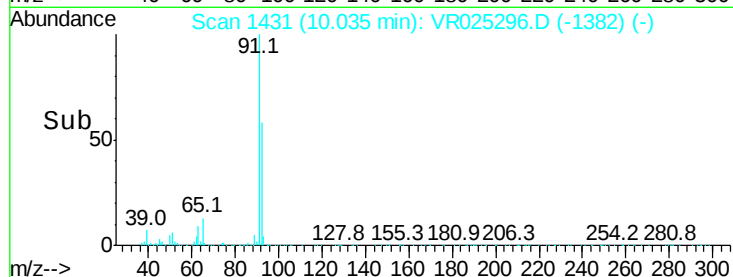
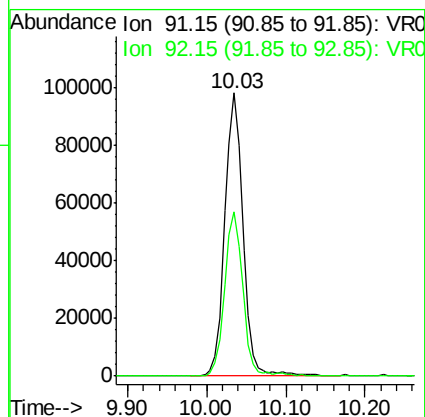
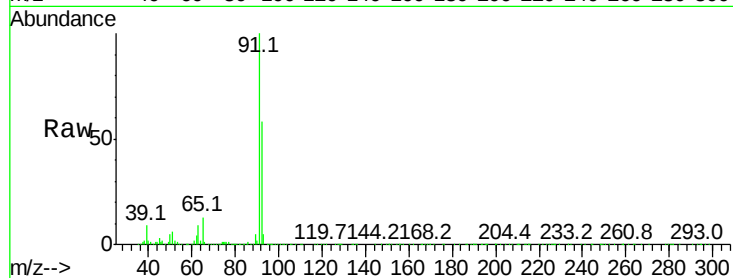
VSTD0.583

Tgt Ion: 91 Resp: 158379

Ion Ratio Lower Upper

91 100

92 58.1 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.425 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025296.D

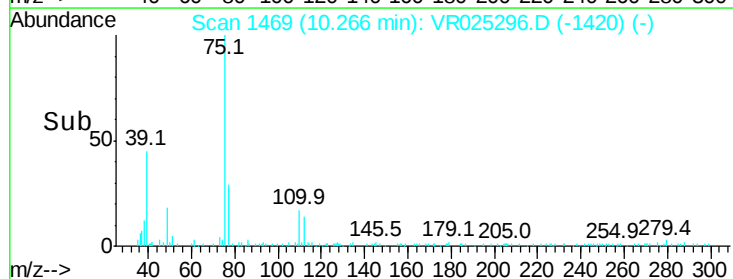
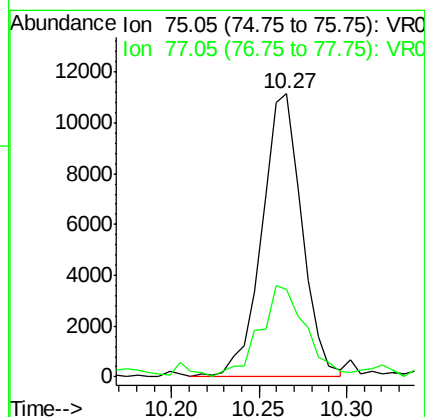
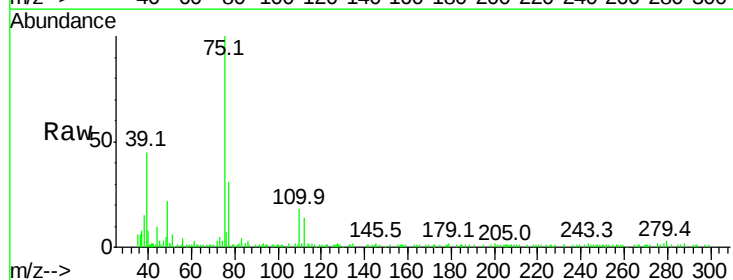
Acq: 15 Jun 2018 12:52

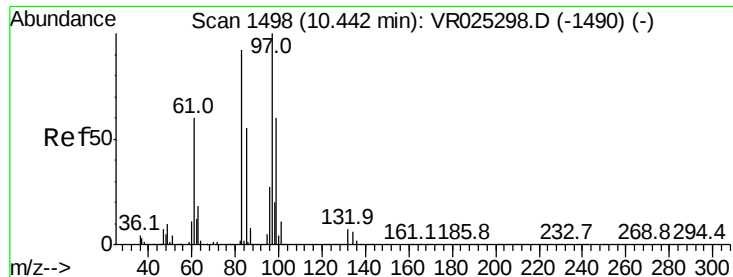
Tgt Ion: 75 Resp: 17722

Ion Ratio Lower Upper

75 100

77 31.0 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 0.511 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

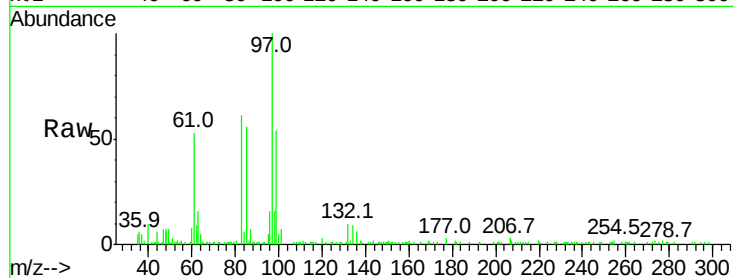
Instrument :

MSVOA_R

ClientSampled :

VSTD0.583

Tgt Ion:	97	Resp:	12925
Ion	Ratio	Lower	Upper
97	100		
99	54.4	41.9	77.9
83	61.2	64.5	119.9#
85	56.4	38.6	71.8

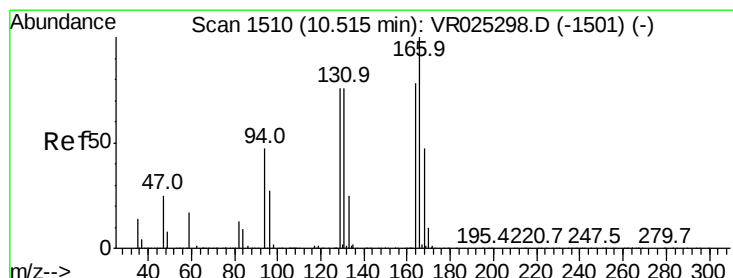
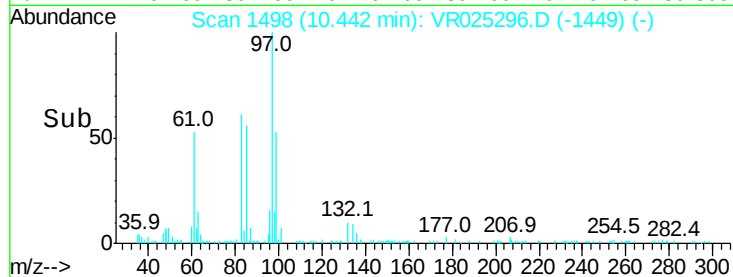
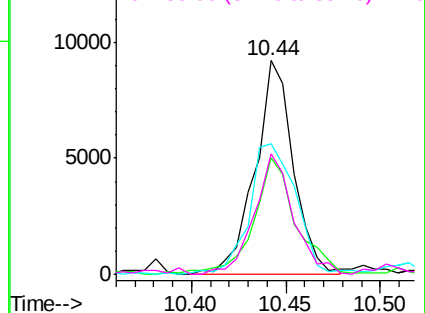


Abundance Ion 96.95 (96.65 to 97.65): VR025298.D (-1490) (-)

Ion 99.05 (98.75 to 99.75): VR025298.D (-1490) (-)

Ion 82.95 (82.65 to 83.65): VR025298.D (-1490) (-)

Ion 85.00 (84.70 to 85.70): VR025298.D (-1490) (-)



#47

Tetrachloroethene

Concen: 0.495 ug/L

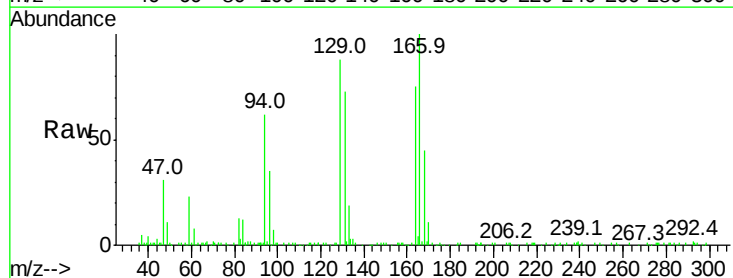
RT: 10.51 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Tgt Ion:	164	Resp:	18606
Ion	Ratio	Lower	Upper
164	100		
129	118.3	68.1	126.5
131	98.2	68.5	127.1
166	134.1	89.9	166.9

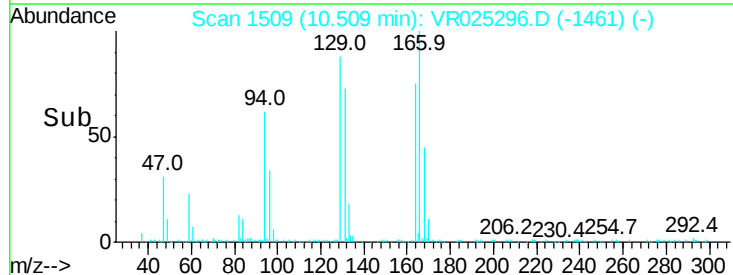
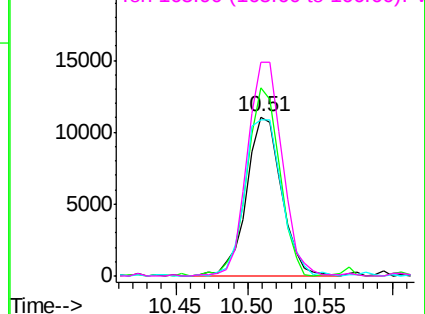


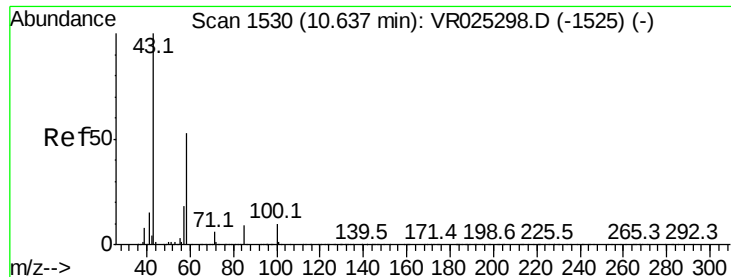
Abundance Ion 163.90 (163.60 to 164.60): VR025298.D (-1501) (-)

Ion 128.95 (128.65 to 129.65): VR025298.D (-1501) (-)

Ion 130.95 (130.65 to 131.65): VR025298.D (-1501) (-)

Ion 165.90 (165.60 to 166.60): VR025298.D (-1501) (-)





#48

2-Hexanone

Concen: 4.107 ug/L

RT: 10.64 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

Tgt Ion: 43 Resp: 50182

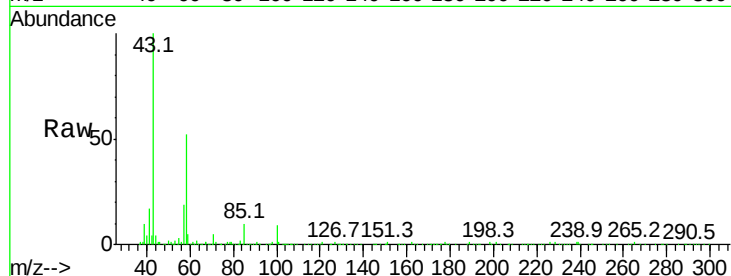
Ion Ratio Lower Upper

43 100

58 56.3 43.1 64.7

57 20.8 15.3 22.9

100 11.3 7.9 11.9

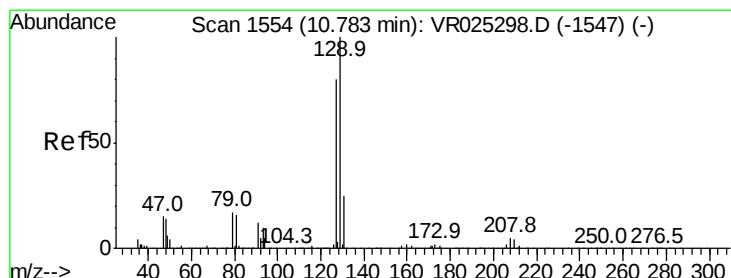
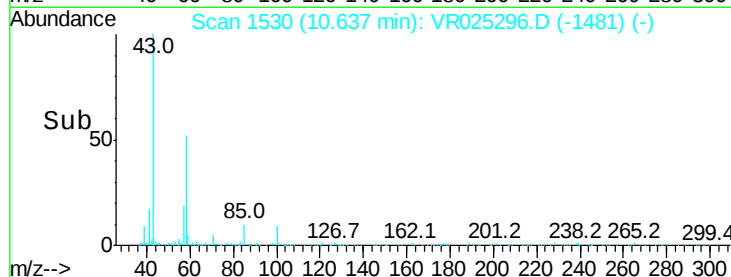
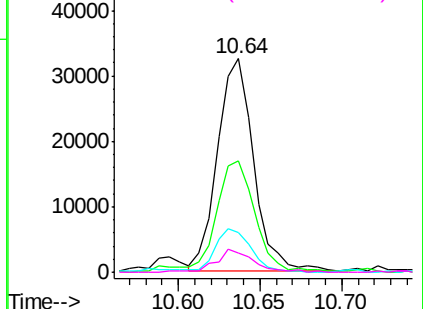


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0



#49

Dibromochloromethane

Concen: 0.442 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VR025296.D

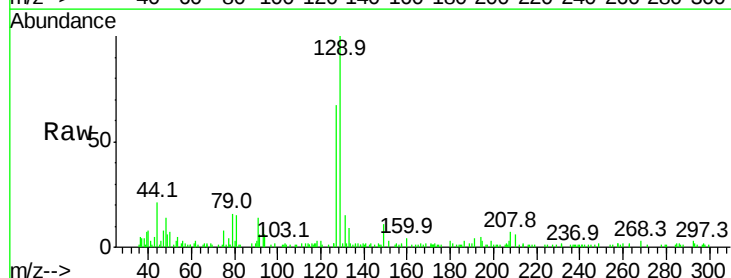
Acq: 15 Jun 2018 12:52

Tgt Ion: 129 Resp: 10415

Ion Ratio Lower Upper

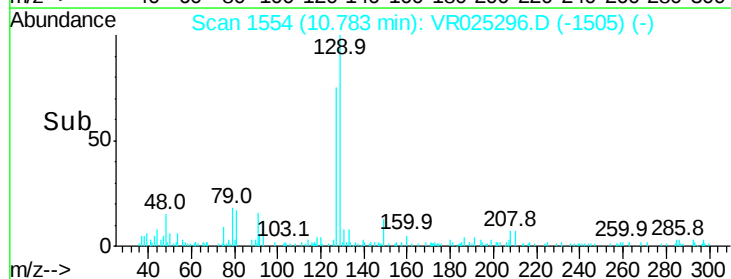
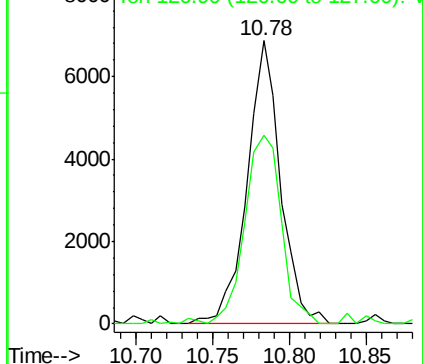
129 100

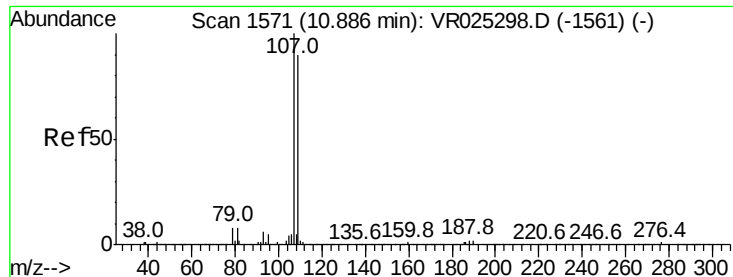
127 66.6 55.9 103.7



Abundance Ion 128.95 (128.65 to 129.65): VR0

Ion 126.90 (126.60 to 127.60): VR0

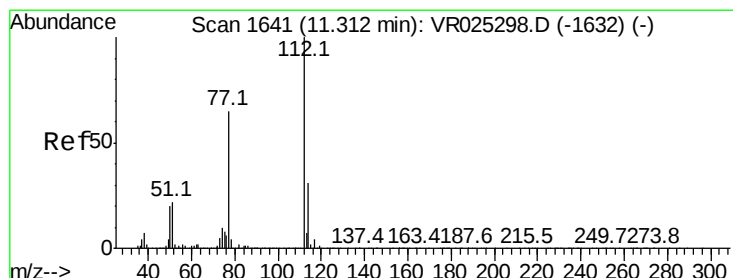
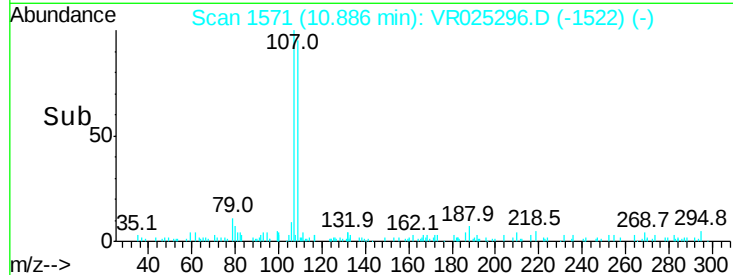
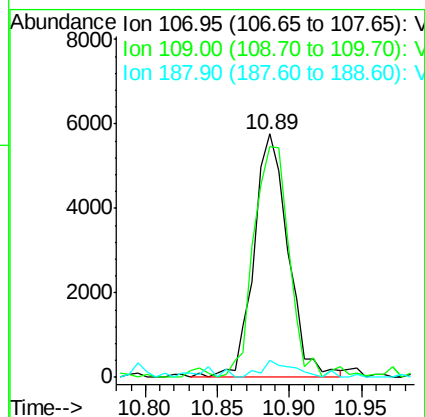
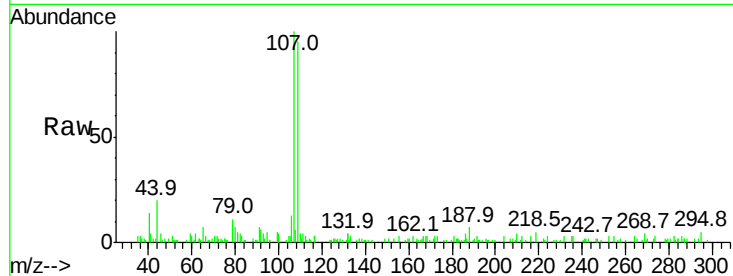




#50
1,2-Dibromoethane
Concen: 0.470 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

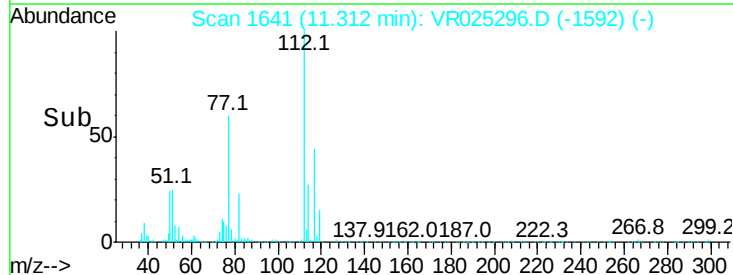
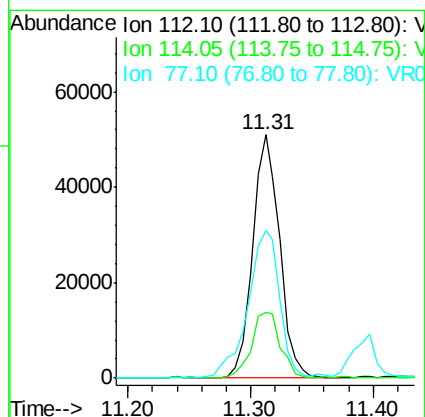
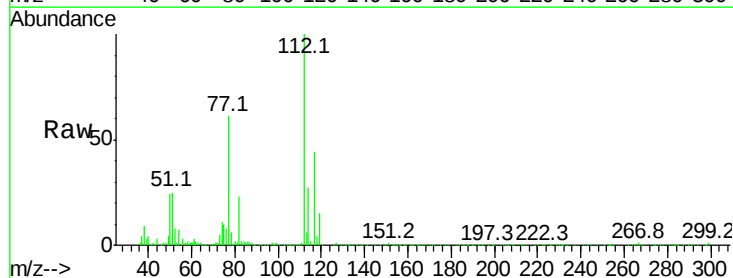
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

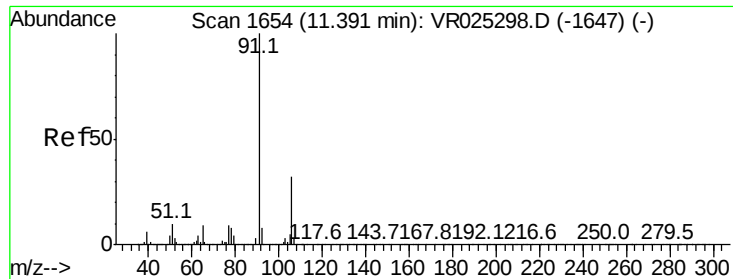
Tgt Ion:107 Resp: 9439
Ion Ratio Lower Upper
107 100
109 94.7 63.1 117.3
188 6.9 1.8 2.8#



#51
Chlorobenzene
Concen: 0.588 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

Tgt Ion:112 Resp: 78350
Ion Ratio Lower Upper
112 100
114 27.0 21.6 40.0
77 60.6 51.9 77.9





#52

Ethylbenzene

Concen: 0.502 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

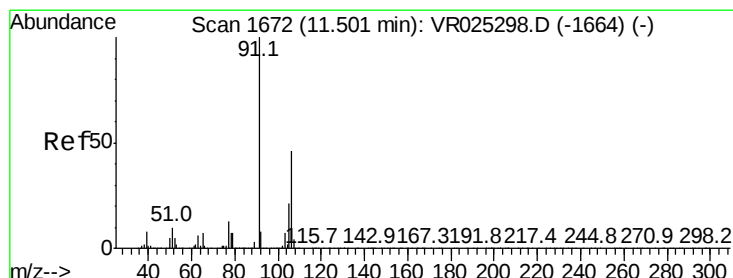
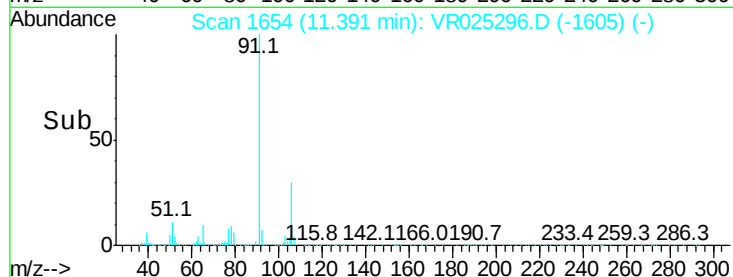
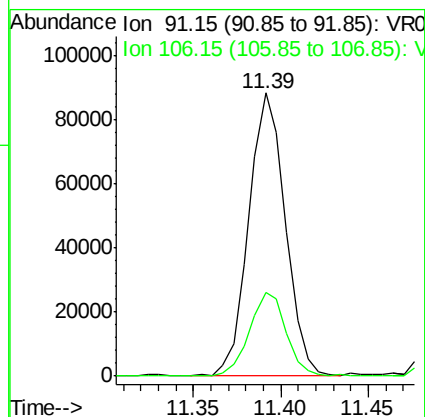
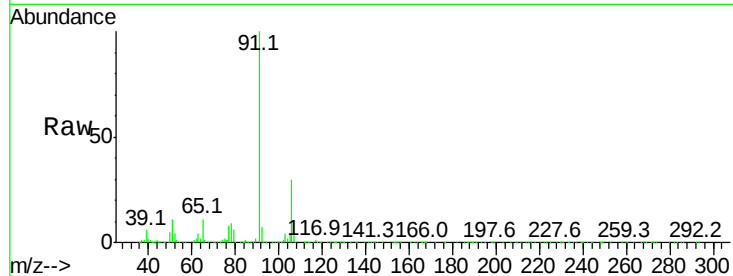
VSTD0.583

Tgt Ion: 91 Resp: 127732

Ion Ratio Lower Upper

91 100

106 29.7 22.5 41.7



#53

m,p-Xylene

Concen: 0.534 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025296.D

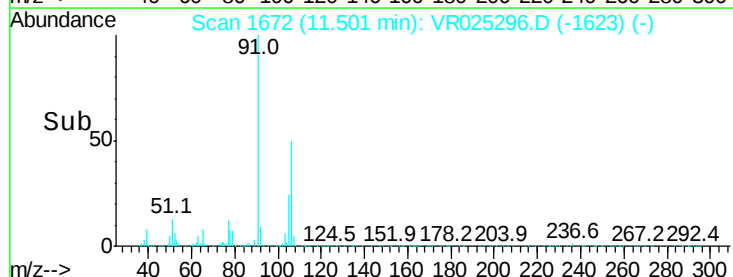
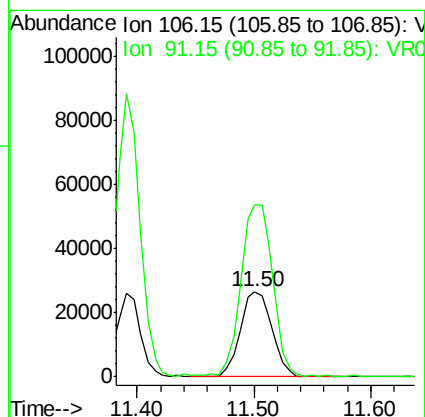
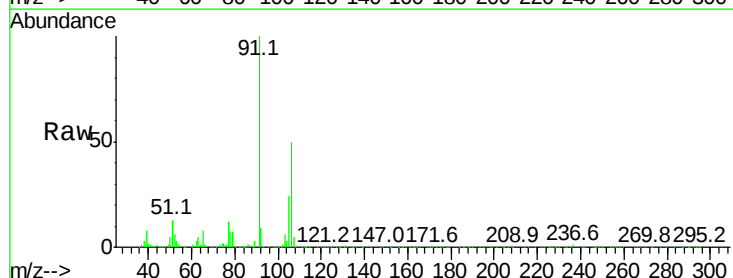
Acq: 15 Jun 2018 12:52

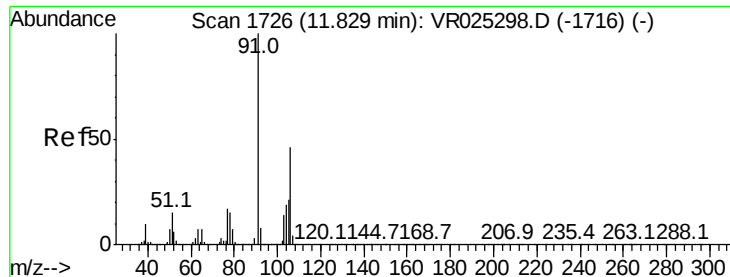
Tgt Ion: 106 Resp: 50396

Ion Ratio Lower Upper

106 100

91 201.1 152.6 283.4

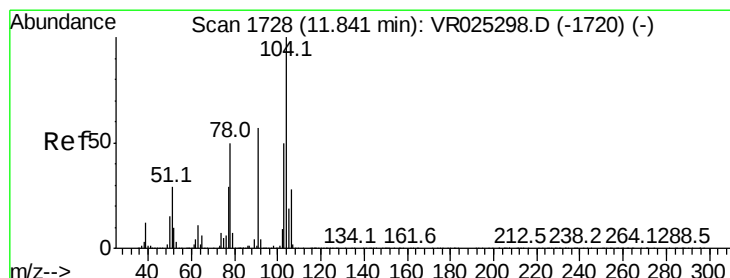
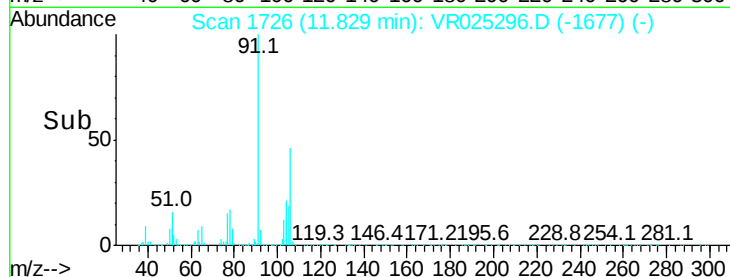
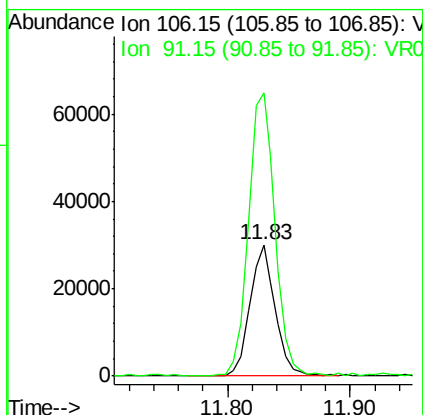
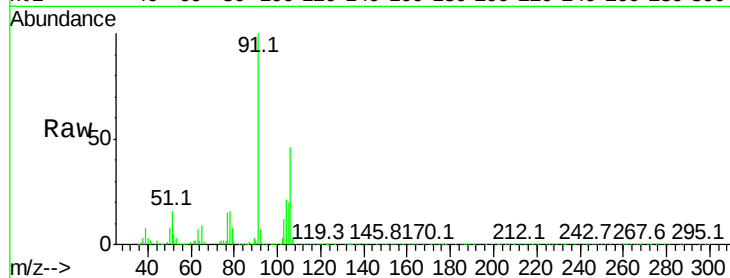




#54
o-Xylene
Concen: 0.510 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

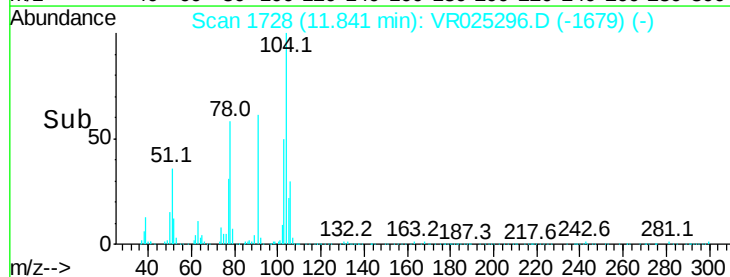
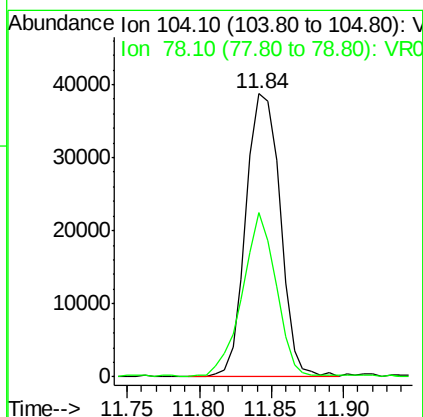
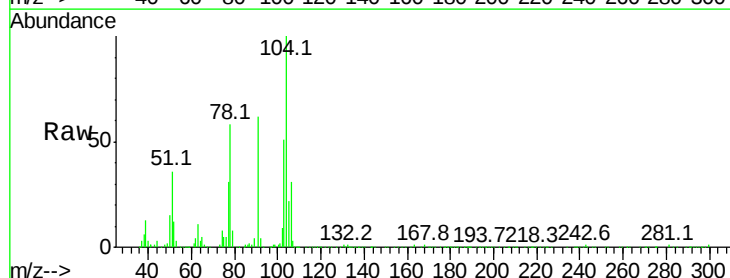
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

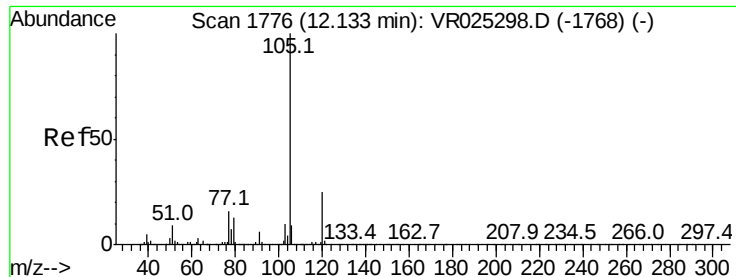
Tgt Ion:106 Resp: 43438
Ion Ratio Lower Upper
106 100
91 215.5 153.7 285.5



#55
Styrene
Concen: 0.460 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VR025296.D
Acq: 15 Jun 2018 12:52

Tgt Ion:104 Resp: 63746
Ion Ratio Lower Upper
104 100
78 57.9 35.4 65.7





#56

Isopropylbenzene

Concen: 0.504 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

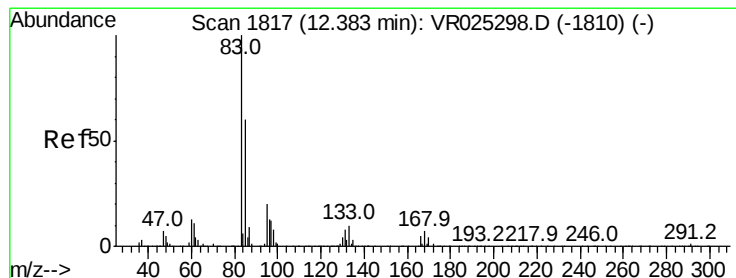
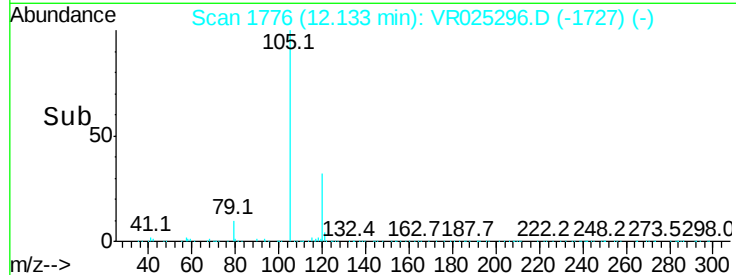
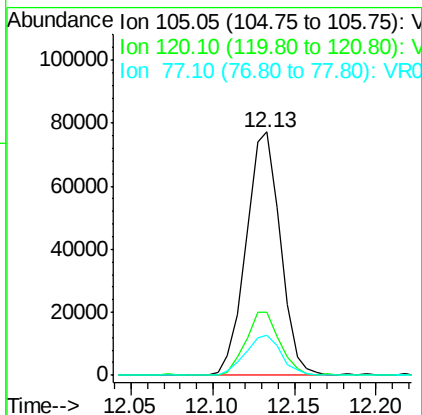
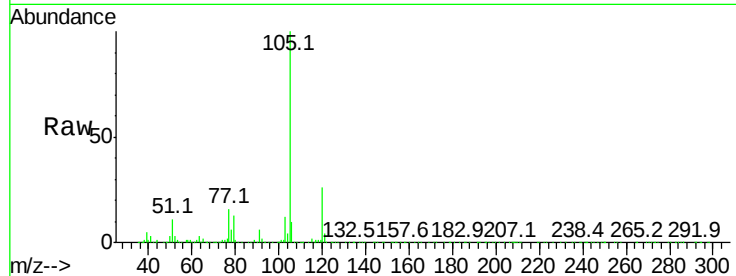
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

Tgt Ion:	105	Resp:	112928
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.2	30.4
77	17.5	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 0.451 ug/L

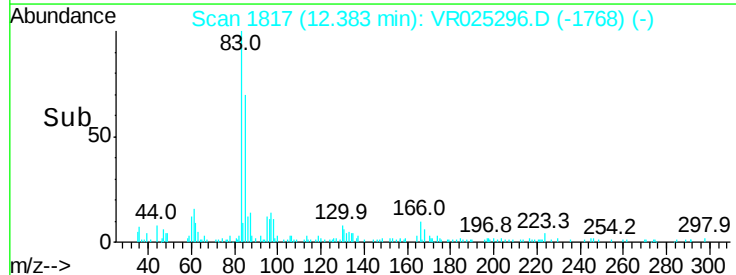
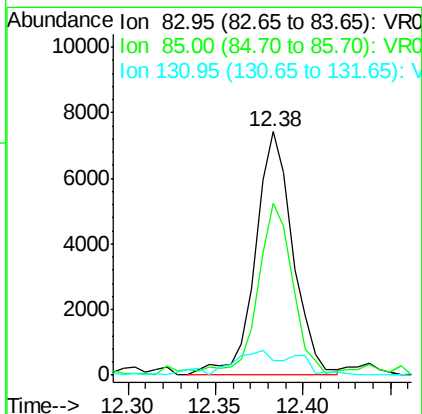
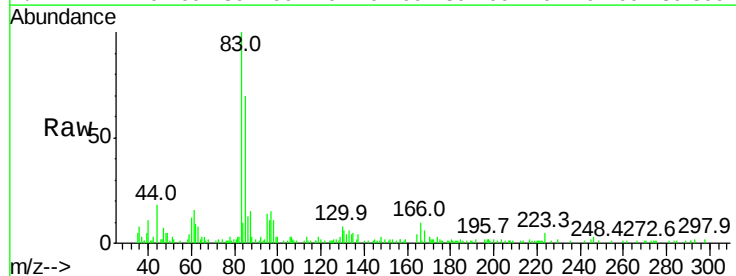
RT: 12.38 min Scan# 1817

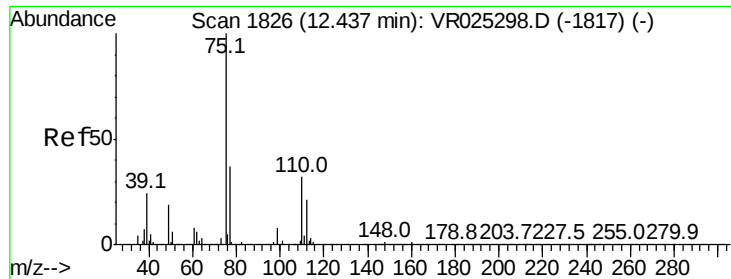
Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Tgt Ion:	83	Resp:	11040
Ion	Ratio	Lower	Upper
83	100		
85	70.4	41.8	77.6
131	6.1	6.1	9.1





#59

1,2,3-Trichloropropane

Concen: 0.528 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

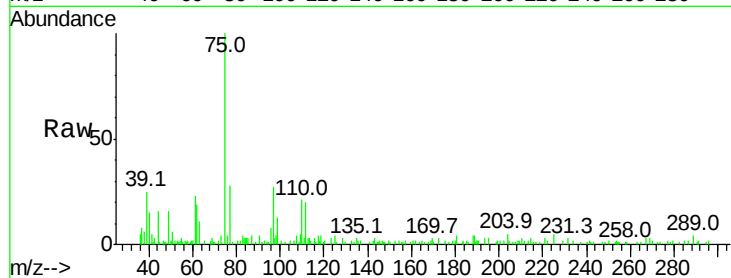
VSTD0.583

Tgt Ion: 75 Resp: 8465

Ion Ratio Lower Upper

75 100

77 39.8 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

12.44

6000

5000

4000

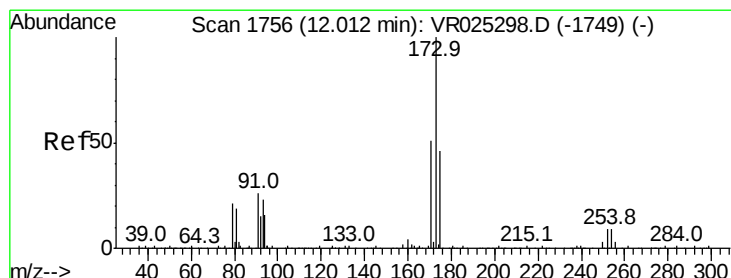
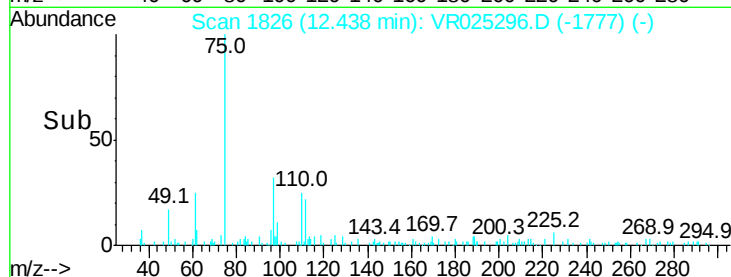
3000

2000

1000

0

Time--> 12.35 12.40 12.45 12.50



#61

Bromoform

Concen: 0.393 ug/L

RT: 12.01 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

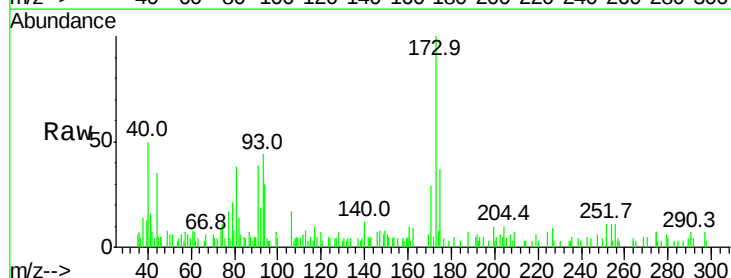
Tgt Ion: 173 Resp: 3166

Ion Ratio Lower Upper

173 100

175 51.8 37.5 56.3

254 15.5 8.7 13.1#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

2500

2000

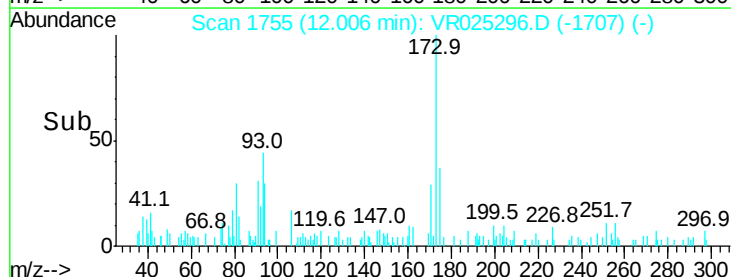
1500

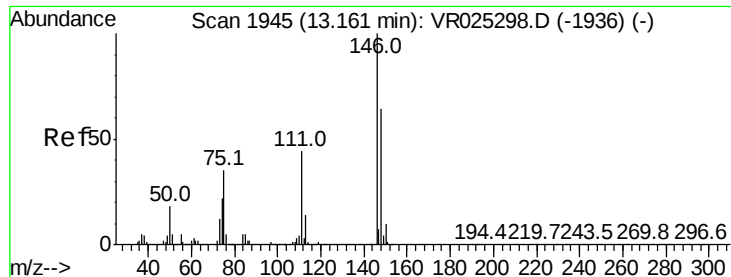
1000

500

0

Time--> 11.95 12.00 12.05





#62

1,3-Dichlorobenzene

Concen: 0.553 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

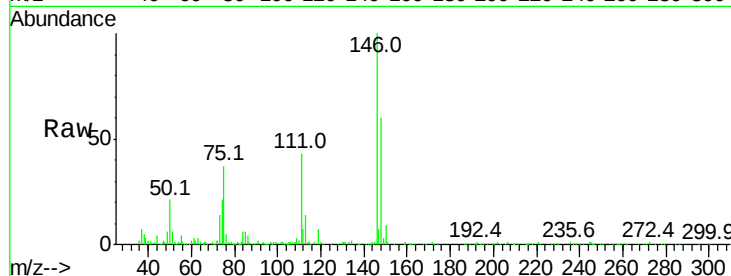
Tgt Ion:146 Resp: 39985

Ion Ratio Lower Upper

146 100

111 42.6 31.0 57.6

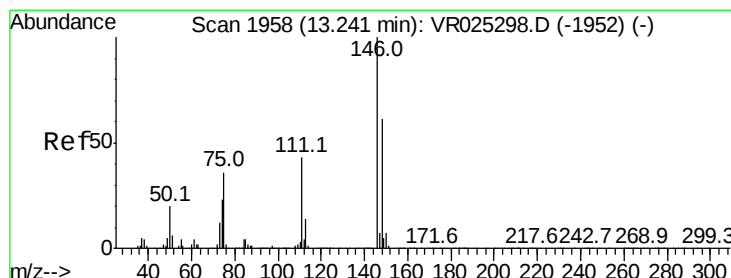
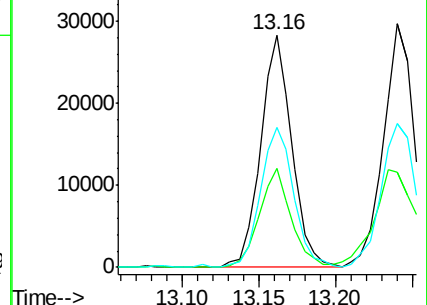
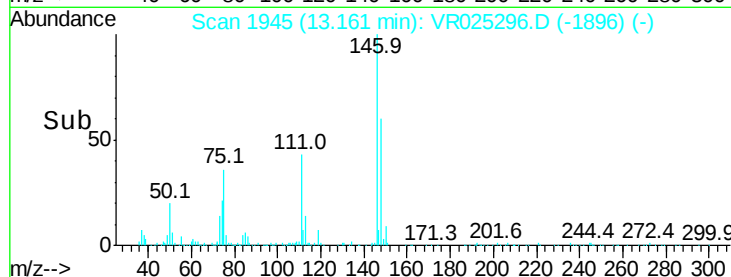
148 60.0 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.539 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

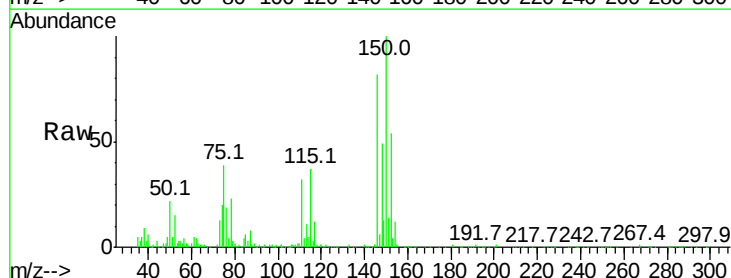
Tgt Ion:146 Resp: 41868

Ion Ratio Lower Upper

146 100

111 39.2 30.5 56.7

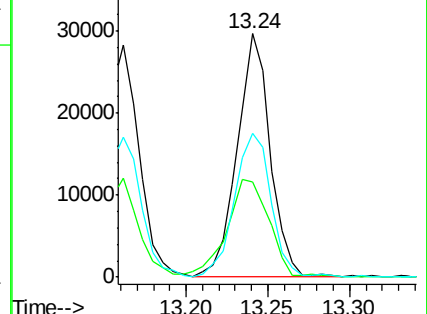
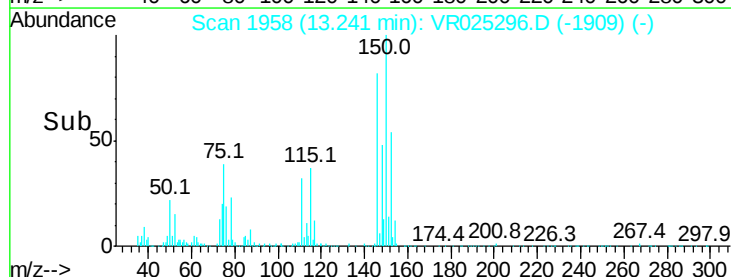
148 59.1 42.8 79.4

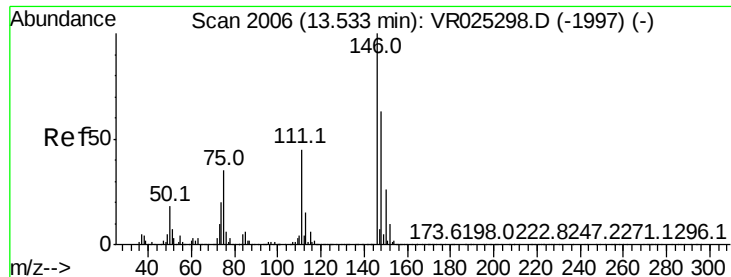


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.532 ug/L

RT: 13.53 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

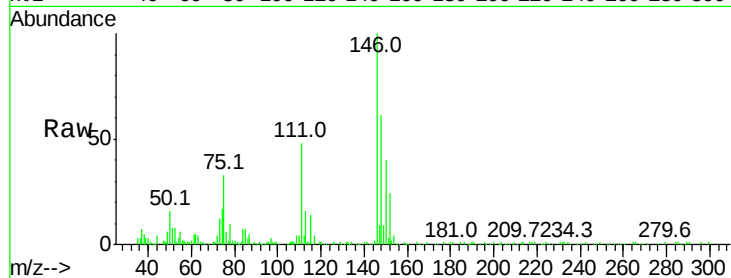
Tgt Ion:146 Resp: 32851

Ion Ratio Lower Upper

146 100

111 48.4 35.8 53.8

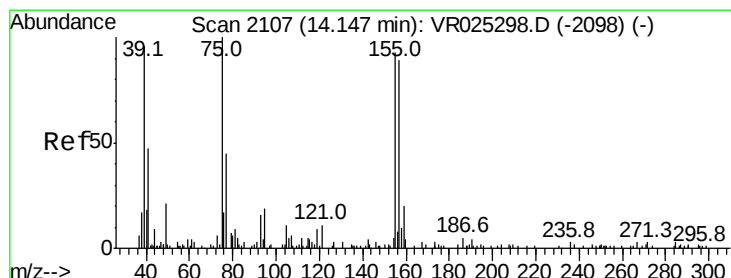
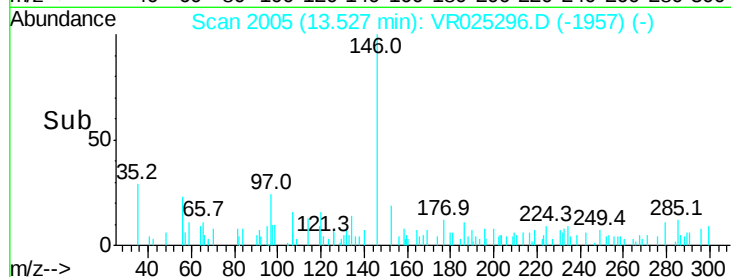
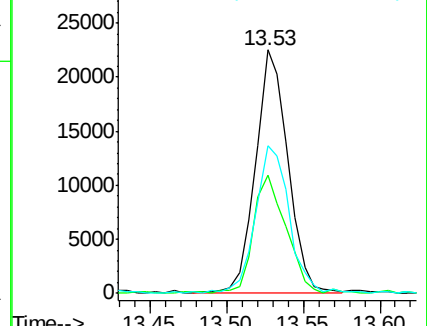
148 60.8 50.4 75.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.534 ug/L

RT: 14.14 min Scan# 2106

Delta R.T. -0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

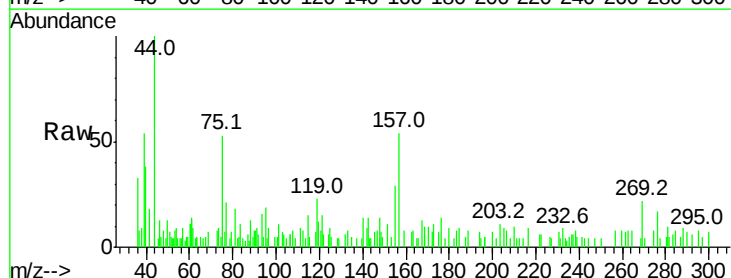
Tgt Ion: 75 Resp: 1277

Ion Ratio Lower Upper

75 100

155 54.5 74.1 111.1#

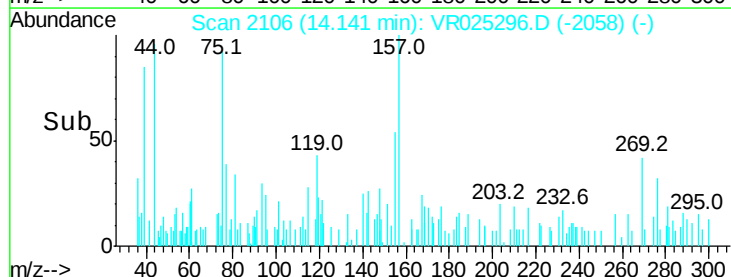
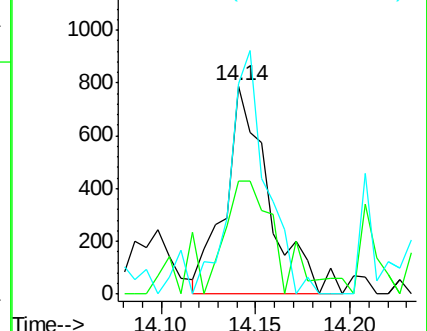
157 100.8 71.0 106.6

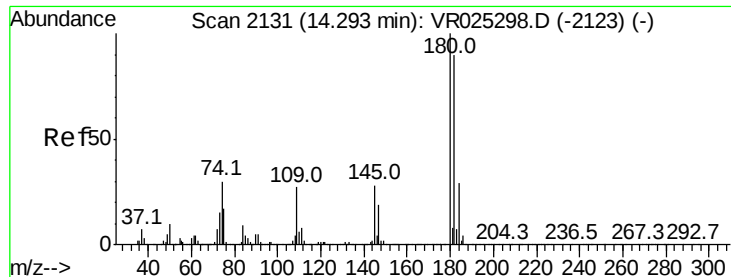


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

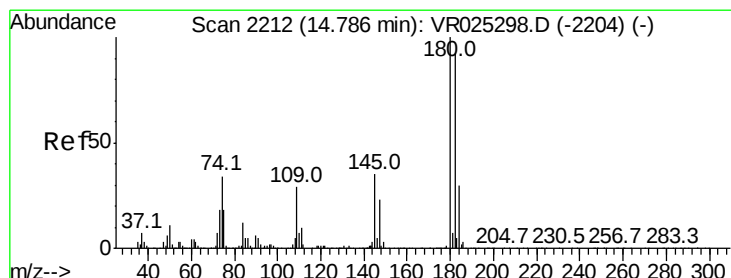
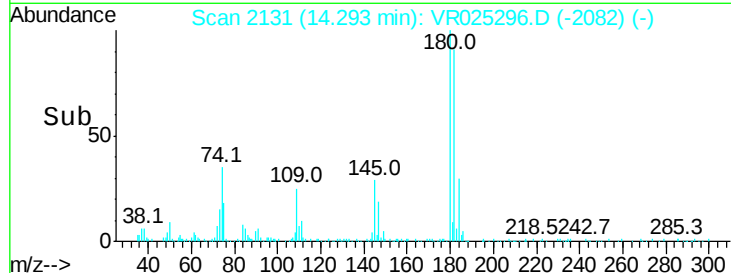
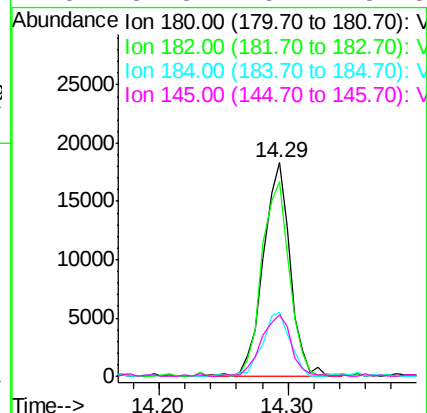
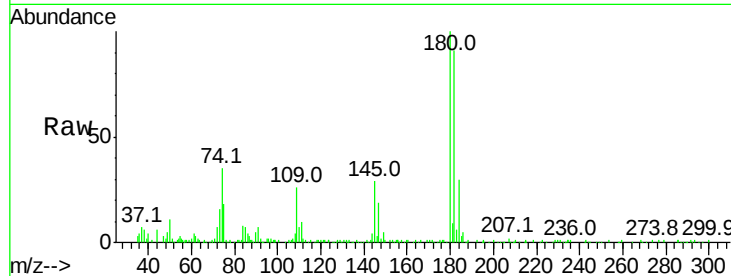




#67
 1,3,5-Trichlorobenzene
 Concen: 0.568 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025296.D
 Acq: 15 Jun 2018 12:52

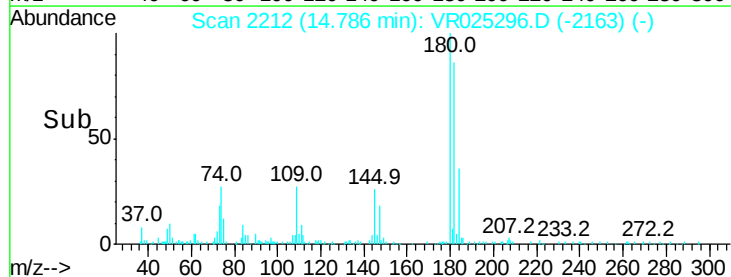
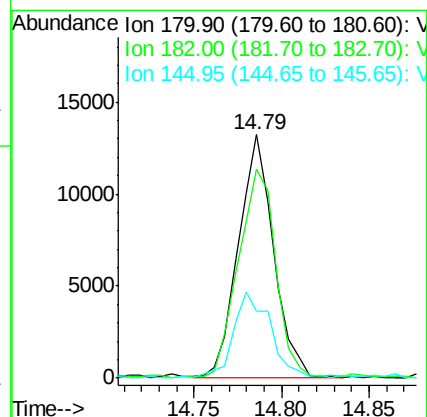
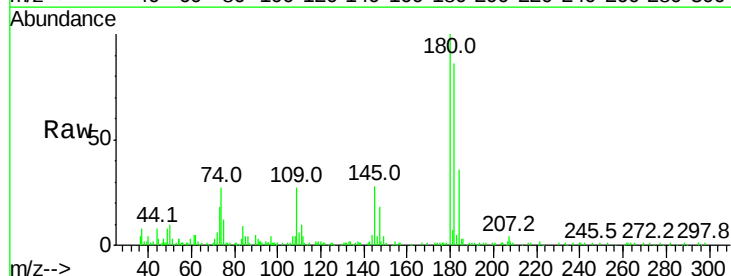
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD0.583

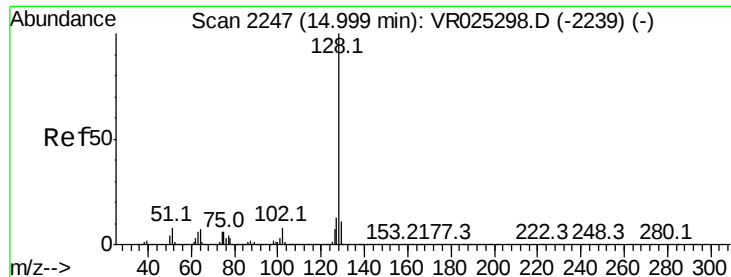
Tgt Ion:	180	Resp:	26292
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.0	114.0
184	30.7	24.5	36.7
145	32.3	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.596 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025296.D
 Acq: 15 Jun 2018 12:52

Tgt Ion:	180	Resp:	18482
Ion	Ratio	Lower	Upper
180	100		
182	91.5	75.0	112.4
145	37.3	27.3	40.9





#69

Naphthalene

Concen: 0.499 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

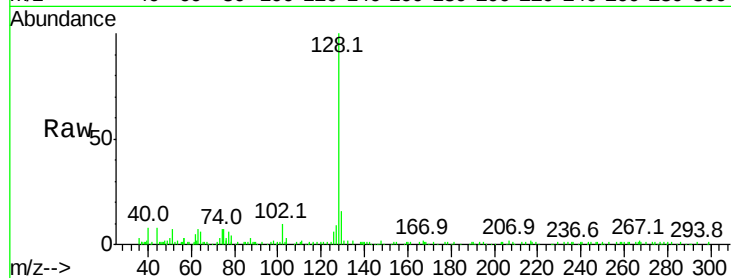
Tgt Ion:128 Resp: 19979

Ion Ratio Lower Upper

128 100

127 15.5 10.2 15.4#

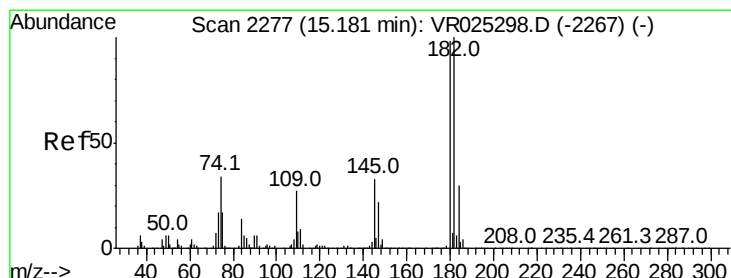
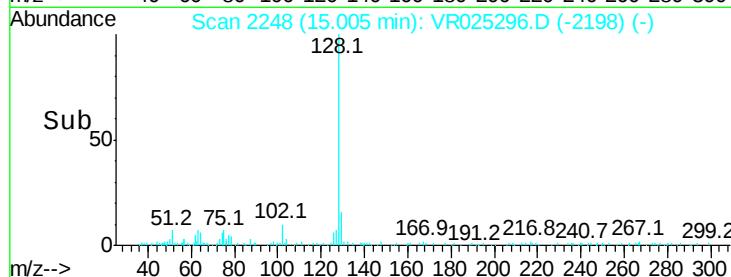
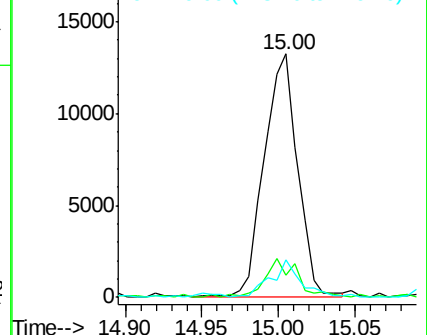
129 14.4 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.590 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025296.D

Acq: 15 Jun 2018 12:52

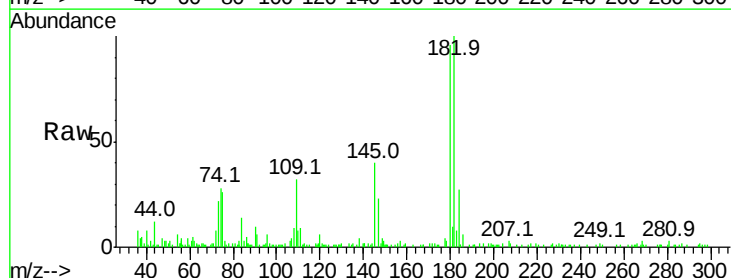
Tgt Ion:180 Resp: 14242

Ion Ratio Lower Upper

180 100

182 107.1 75.2 112.8

145 38.7 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

